

NTISUB/C/139-008

LANDSAT

NON-U.S. STANDARD CATALOG

AUGUST 1, 1977

THROUGH

AUGUST 31, 1977

GSFC/LN-C/008

GODDARD SPACE FLIGHT CENTER

GREENBELT, MARYLAND

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

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INTRODUCTION

To provide dissemination of information regarding the availability of Landsat imagery, the Image Processing Facility (IPF), located at the Goddard Space Flight Center, publishes a U. S. and Non-U. S. Standard Catalog on a monthly schedule. These catalogs identify imagery which has been processed and input to the data files during the referenced month. The U. S. Standard Catalog includes imagery covering the continental United States, Alaska and Hawaii; the Non-U. S. Catalog identifies all the remaining coverage. Imagery adjacent to the continental U. S. and Alaska borders will normally appear in the U. S. Standard Catalog. As a supplement to these catalogs, the Landsat imagery of one spectral band is available on 16mm microfilm.

In addition to the routine monthly catalogs, the IPF annually publishes a cumulative U. S. and Non-U. S. Standard Catalog for each satellite, covering a year based on the launch date for that satellite. These catalogs include information on all observations acquired and processed by the facility during that year.

Film products for imagery listed in this catalog are available at a nominal price from all three agencies listed below. In addition, the 16mm microfilm can be purchased from the U. S. Department of the Interior (USDI) EROS Data Center and National Oceanic and Atmospheric Administration (NOAA). Digital tapes can be purchased only from the USDI EROS Data Center.

U. S. Department of Agriculture

Aerial Photography Field Office
2505 Parley's Way
Salt Lake City, Utah 84109

U. S. Department of Commerce
National Oceanic and Atmospheric
Administration

Environment Data Service
Satellite Data Service Branch
D543
World Weather Building
Room 606
Washington, D. C. 20233

U. S. Department of the Interior
Geological Survey

User Services Unit
EROS Data Center
Sioux Falls, South Dakota 57198

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APPENDIX

SECTION 1 — STANDARD CATALOG

1.1 MONTHLY CATALOGS

The coverage sections contained in the monthly U.S. and Non-U.S. Standard Catalogs are divided into three parts. Part 1 (see Para. 1.1, A) consists of annotated maps which graphically depict the geographic areas covered by imagery listed in the current catalog. Part 2 (see Para. 1.1, B) contains a computer generated listing organized by observation identification number (ID) and includes pertinent information about each image. Part 3 (see Para. 1.1, C) provides a computer listing of observations organized by longitude/latitude.

A. Satellite Coverage Maps. These maps are segregated by cycle and depict the general location of observations listed in the catalog. The format and data content of these maps are slightly different in the U.S. and Non-U.S. catalogs.

1. U.S. Satellite Coverage Maps. Two separate map formats are presented in this catalog. One map outlines the continental U.S. and depicts the estimated cloud cover along each north to south subsatellite path. Each path is identified by actual orbit number and a cross reference, which matches the orbit number to the initial observation ID for that path. The second map provides an enlarged view of Alaska and Hawaii and displays the portion of an orbital pass for which coverage is available. This map does not include cloud cover estimates or orbit numbers.
2. Non-U.S. Satellite Coverage Map. A world outline map is provided with the portions of an orbital swath for which observations are available graphically displayed. This map is intended solely to inform the user as to whether or not coverage is included in the catalog for his area of interest. It is not intended as a rapid reference to specific observations.

B. Observation Identification Number (ID) Listing. The data format for the observation ID listing is identical in the U.S. and Non-U.S. Catalogs. Observation ID numbers are listed in a sequential manner from smallest number to largest. Associated with each ID number in the list is pertinent information about that observation. A sample catalog page with a description of each data item is shown in Figure 1-1.

1. Sample Observation ID Format. See Figure 1-1.

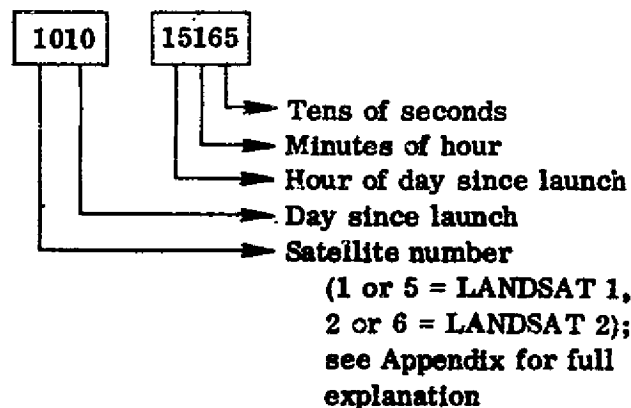
① 20:53 APR 04, '75			② FROM 02/01/75 TO 02/28/75							
④	⑤		⑥	⑦	⑧	⑨		⑩		⑪
OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE		SUN ELEV.	SUN AZIM.	IMAGE QUALITY
	RBV	MSS				LAT	LONG			RBV MSS
1943-16381	00000/0000	1-10034/0565	02/21/75	100	3149	4728N	09815W	25.3	144.8	GGGG
1943-16383	00000/0000	1-10034/0566	02/21/75	100	3149	4603N	09849W	26.3	143.9	GGG
1943-16390	00000/0000	1-10034/0567	02/21/75	100	3149	4438N	09923W	27.2	143.0	GGG
1943-16392	00000/0000	1-10034/0568	02/21/75	70	3149	4313N	09955W	28.2	142.1	GGFF
1943-16395	00000/0000	1-10034/0569	02/21/75	40	3149	4147N	10026W	29.1	141.2	FGGG
1944-16432	00000/0000	1-10034/0606	02/22/75	40	3163	4854N	09903W	24.7	145.5	GGGG
1944-16435	00000/0000	1-10034/0607	02/22/75	90	3163	4730N	09939W	25.6	144.6	FGGG
1944-16441	00000/0000	1-10034/0608	02/22/75	30	3163	4605N	10014W	26.6	143.8	GGGG

③ KEY:
 CLOUD COVER
 • 0 TO 100 = % OF CLOUD COVER
 • *** NO CLOUD DATA AVAILABLE
 IMAGE QUALITY
 • BLANK = BAND NOT PRESENT/REQUESTED
 • G = GOOD P = POOR F = FAIR

Figure 1-1. Observation ID Listing for Standard Catalog

2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Data quality
- ④ Observation ID



- ⑤ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- ⑥ Date of observation
- ⑦ Estimated percent of cloud cover
- ⑧ Orbit number
- ⑨ Latitude and longitude at observation center (degrees and minutes)
- ⑩ Sun elevation and azimuth at observation center
- ⑪ Image quality; see key

C. **Longitude/Latitude Listing.** The data format for the longitude/latitude listing is identical in the U.S. and Non-U.S. Catalogs. This listing contains the same observations as the observation-ID listing but organizes them by coordinates, using image center location information for each observation. Observations in this listing will be sorted first by longitude and, within longitude, by latitude. The longitude/latitude listing is arranged in the following manner:

180-0 degrees East; 90-0 degrees North and 0-90 degrees South
followed by

0-180 degrees West; 90-0 degrees North and 0-90 degrees South

This listing is intended to be used as a tool for locating specific coverage, and once a specific observation has been identified, pertinent information about it can be found by referring to the ID listing.

Figure 1-2 below shows a sample catalog page with a description of each data item.

1. Sample Longitude/Latitude Format. See Figure 1-2.

① 20 33 APR 04, '75										② FROM 12/01/75 TO 02/28/75									
③	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮	⑯	⑰	⑱	⑲	⑳	㉑	㉒
PRINCIPAL PT OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY RBY MSS 12345678	PRINCIPAL PT OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY RBY MSS 12345678	PRINCIPAL PT OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY RBY MSS 12345678	PRINCIPAL PT OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY RBY MSS 12345678	PRINCIPAL PT OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY RBY MSS 12345678
12350W 3608N	1940-18074	80	G1FF	12621W 3855N	1923-18132	70	F1FG	12512W 4436N	1925-18230	90	GGGG	12512W 4436N	1925-18230	90	GGGG	12512W 4436N	1925-18230	90	GGGG
12352W 4027N	1941-18120	100	EGGG	12637W 4601N	1925-18224	90	GGGG	12517W 4022N	1924-18183	50	F1FF	12517W 4022N	1924-18183	50	F1FF	12517W 4022N	1924-18183	50	F1FF
12352W 4020N	1923-18125	90	F1FF	12647N 4147N	1924-18181	60	G1FF	12527W 4722N	1926-18275	60	F1FG	12527W 4722N	1926-18275	60	F1FG	12527W 4722N	1926-18275	60	F1FG
12401W 4726N	1923-18221	90	GGGG	12649W 3736N	1941-18125	90	F1FG	12543W 4311N	1925-18233	90	GGGG	12543W 4311N	1925-18233	90	GGGG	12543W 4311N	1925-18233	90	GGGG
12414W 4313N	1924-18174	70	F1FF	12649W 3729N	1923-18134	70	F1FG	12544W 3857N	1924-18190	50	F0GF	12544W 3857N	1924-18190	50	F0GF	12544W 3857N	1924-18190	50	F0GF
12421W 3951N	1941-18123	100	F0GF	12651W 4852N	1926-18273	90	GGGG	12612W 4603N	1926-18282	70	F0GG	12612W 4603N	1926-18282	70	F0GG	12612W 4603N	1926-18282	70	F0GG

Figure 1-2. Coordinate Listing for Standard Catalog

2. Description of Data Items

- | | |
|---|------------------------------------|
| ① Date of catalog listing | ⑤ Estimated percent of cloud cover |
| ② Period during which imagery was processed | ⑥ Image quality; see key |
| ③ Longitude and latitude at observation center
(degrees and minutes) | ⑦ Data quality |
| ④ Observation ID (see Fig. 1-1, Para. 1.1,B,2) | |

1.2 CUMULATIVE STANDARD CATALOGS

Annually, a cumulative catalog is produced which includes information covering all observations and coordinates acquired and processed by the IPF during that year.

A. Observation ID Listing.

1. Sample Observation ID Format. See Figure 1-1.
2. Description of Data Items. See Paragraph 1.1, B, 2.

B. Coordinate ID Listing. The coordinate ID listing format is expanded to identify observations for which color or digital products have been made.

1. Sample Coordinate ID Format. See Figure 1-3.

⑨		① 15:36 MAR 11, '74	⑤		⑥	⑦	⑧	⑩		⑪	⑫			
PRINCIPAL POINT OF IMAGE		OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL		DATE ACQUIRED	CLOUD COVER %	ORBIT NUMBER	SUN ELEV.	SUN AZIM.	IMAGE QUALITY	PRODUCTS			
LONG	LAT		RBV	MSS							B	P	P	P
											C	C	D	D
07607W	3734N	1295-15144	00000/0000	10010/1659	05/14/73	20	4112	60.2	122.0	GGGG				M
07607W	3731N	1259-15150	00000/0000	10010/0088	04/08/73	90	3610	50.7	133.2	GGGG				M
07607W	3731N	1313-15143	00000/0000	10011/0920	06/01/73	80	4363	62.3	116.2	GGGG				M
07608W	4438N	1027-15231	00000/0000	1-10001/1498	08/19/72	0	375	50.9	136.9	GGGG	M			M
07608W	3731N	1331-15142	00000/0000	1-10011/1589	06/19/73	100	4614	62.4	112.8	GGGG				
07608W	3724N	1349-15141	00000/0000	1-10012/1387	07/02/73	10	4865	61.2	112.9	PGPP	M			M
07609W	4851N	1352-15275	00000/0000	1-10012/1622	07/10/73	60	4907	56.7	133.9	G				
07609W	3144N	1006-15093	1-10001/0377	1-10001/0378	07/29/72	100	82	59.7	108.3	GGG	PPGG			

③ KEY:

CLOUD COVER
● 0 TO 100 = % OF CLOUD COVER

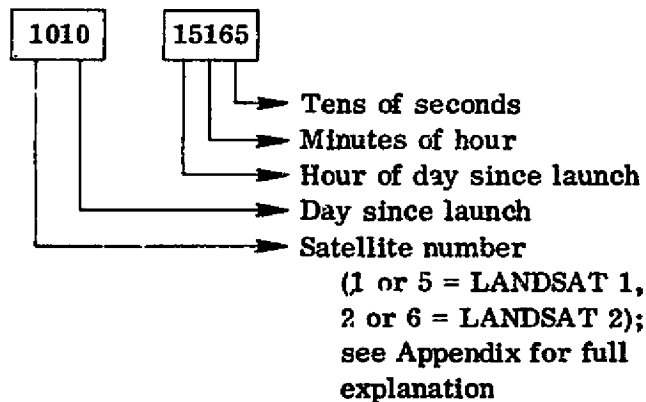
IMAGE QUALITY
● BLANK = BAND NOT PRESENT/REQUESTED
● G = GOOD P = POOR F = FAIR

PRODUCTS ALREADY MADE
● R = MADE FROM RBV M = MADE FROM MSS
B = MADE FROM RBV AND MSS

Figure 1-3. Coordinate Listing for Cumulative Standard Catalog

2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Data quality
- ④ Observation ID



- ⑤ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- ⑥ Date of observation
- ⑦ Estimated percent of cloud cover
- ⑧ Orbit number
- ⑨ Latitude and longitude at observation center (degrees and minutes)
- ⑩ Sun elevation and azimuth at observation center
- ⑪ Image quality; see key
- ⑫ Image/data product availability; see key

2.1 GENERAL

The Image Processing Facility produces a 16 mm microfilm inventory of imagery processed during the referenced month and is organized for convenient use with the Standard Catalog.

As in the case of the Standard Catalog, the microfilm data is divided into U.S. and Non-U.S. segments. Each set of microfilm images is in exact correspondence to a Standard Catalog and can be used in conjunction with the catalog for selecting desired images. A maximum of 1900 images will be contained on one roll of 16 mm x 100 ft microfilm. Because the microfilm images are intended to provide only a summary of the data available, the images are limited to one band each for the RBV and MSS. Although a single observation will produce seven images, in the production of microfilm only the RBV Spectral Band 2 images (0.580 - 0.680 microns) and MSS Spectral Band 2 images (0.6 - 0.7 microns) are reproduced. Each image is a photograph of a 70 mm (-2) image and contains the image identifier and annotation block. See Figure 2-1.

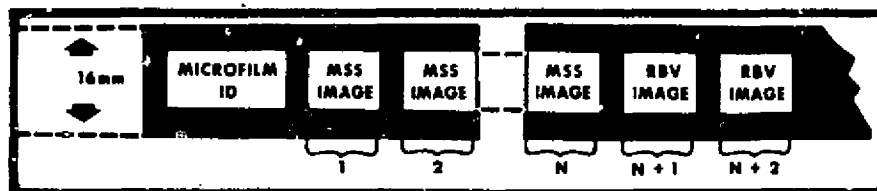


Figure 2-1. Microfilm Format

Microfilm roll numbers contain six digits. The first digit designates the satellite number (blank or 1- = LANDSAT 1, 2- = LANDSAT 2). Example: Roll number 10032 and roll number 1-10034 are both LANDSAT 1 rolls. Roll 2-10032 is a LANDSAT 2 roll. The second digit will be a 1 (for U.S. rolls) or a 2 (for Non-U.S. rolls). The remaining digits are used to number sequentially all microfilm rolls prepared within each group. Example: Roll number 10001 is the first U.S. roll of microfilm produced for LANDSAT 1. Roll number 20004 is the fourth Non-U.S. roll to be produced for LANDSAT 1. The first U.S. roll of microfilm for LANDSAT 2 is number 2-10001.

The microfilm contains two rapid search capabilities to help the user quickly reach the desired scene. They are:

- Code Line Indexing
- Blip Encoding

2.2 CODE LINE INDEXING

The Landsat microfilm images have been annotated with visual code lines to the right of each frame. The visual code lines graduate up the edge of the screen as the film advances and allow the user to advance rapidly to within 20 frames of his desired image. See Figure 2-2.

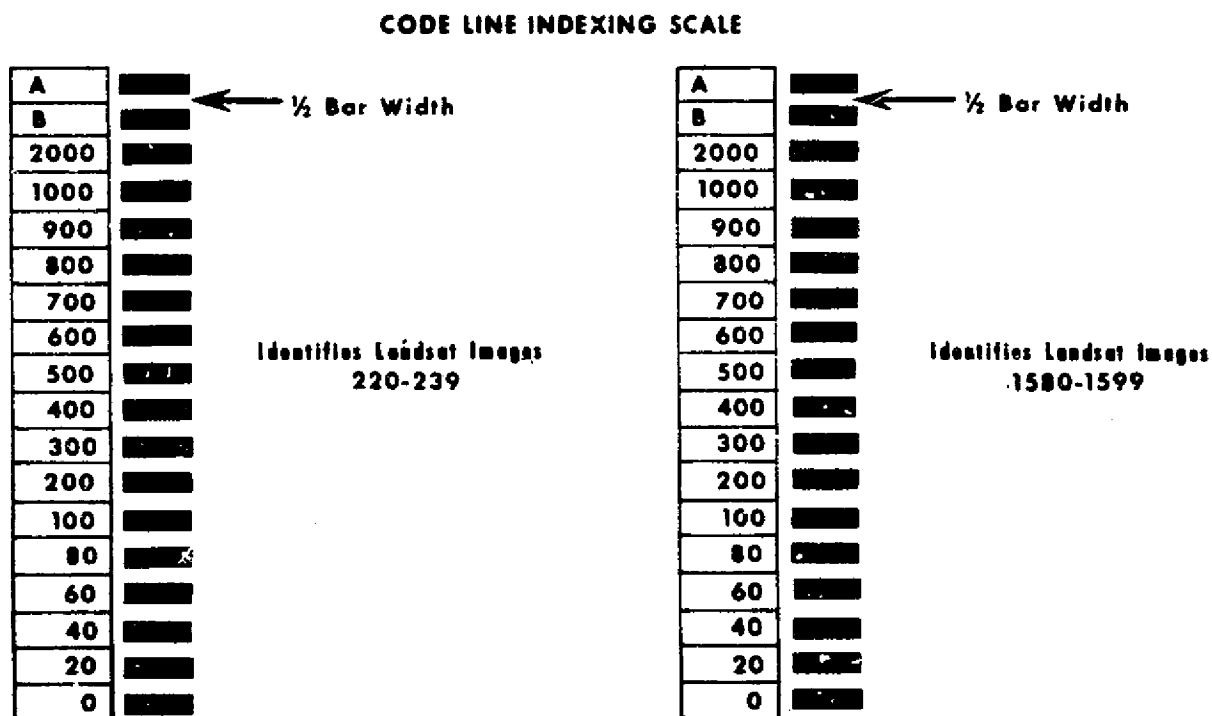


Figure 2-2. Code Line Indexing Scale

To utilize this system, a user must generate a code line indexing bar scale to attach to the face of his viewers. The size and spacing for the bar scale is dependent upon the magnification of his viewer. Landsat imagery is microfilmed at a reduction ratio of 8.5x. To determine the overall length of a scale required for your microfilm reader, multiply 7.4mm by the enlargement factor of your lens. To determine the bar widths along the bar scale, multiply 0.24mm by the same factor. A space between each bar should exist that is 1/2 the bar width.

2.3 BLIP ENCODING

The LANDSAT microfilm images have also been annotated with a blip (black spot) at the base of each frame. This type of encoding is designed for use on readers with an electronic sensing and counting capability or an odometer. To use the blip encoding retrieval system, the film will have to be placed in a cartridge. When the cartridge is placed in a reader which contains an odometer or has a keyboard attached, the identification of the desired image is obtained from the Standard Catalog (column 6, Microfilm Position) and either punched on the keyboard or read via the odometer as the film advances. Using a reader configured for rapid search and retrieval, the film advances and the frames (blips) are counted by means of a photosensing light. When the appropriate number has been counted, the reader stops and the desired image is projected on the screen. Using a reader with an odometer requires the user to monitor the odometer as the film advances and stop the advance of the film in the vicinity of the required frame.

SECTION 3 - CYCLE CHARTS
SECTION 3.1 - LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 8 days	1	8	24 Jul 72	31 Jul 72	16	279	296	28 Apr 73	15 May 73
1	9	26	1 Aug 72	18 Aug 72	17	297	314	16 May 73	2 Jun 73
2	27	44	19 Aug 72	5 Sep 72	18	315	332	3 Jun 73	20 Jun 73
3	45	62	6 Sep 72	23 Sep 72	19	333	350	21 Jun 73	8 Jul 73
4	63	80	24 Sep 72	11 Oct 72	20	351	368	9 Jul 73	26 Jul 73
5	81	98	12 Oct 72	29 Oct 72	21	369	386	27 Jul 73	13 Aug 73
6	99	116	30 Oct 72	16 Nov 72	22	387	404	14 Aug 73	31 Aug 73
7	117	134	17 Nov 72	4 Dec 72	23	405	422	1 Sep 73	18 Sep 73
8	135	152	5 Dec 72	22 Dec 72	24	423	440	19 Sep 73	6 Oct 73
9	153	170	23 Dec 72	9 Jan 73	25	441	458	7 Oct 73	24 Oct 73
10	171	188	10 Jan 73	27 Jan 73	26	459	476	25 Oct 73	11 Nov 73
11	189	206	28 Jan 73	14 Feb 73	27	477	494	12 Nov 73	29 Nov 73
12	207	224	15 Feb 73	4 Mar 73	28	495	512	30 Nov 73	17 Dec 73
13	225	242	5 Mar 73	22 Mar 73	29	513	530	18 Dec 73	4 Jan 74
14	243	260	23 Mar 73	9 Apr 73	30	531	548	5 Jan 74	22 Jan 74
15	261	278	10 Apr 73	27 Apr 73	31	549	566	23 Jan 74	9 Feb 74

SECTION 3.1 — LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
32	567	584	10 Feb 74	27 Feb 74	48	855	872	25 Nov 74	12 Dec 74
33	585	602	28 Feb 74	17 Mar 74	49	873	890	13 Dec 74	30 Dec 74
34	603	620	18 Mar 74	4 Apr 74	50	891	908	31 Dec 74	17 Jan 75
35	621	638	5 Apr 74	22 Apr 74	51	909	926	18 Jan 75	4 Feb 75
36	639	656	23 Apr 74	11 May 74	52	927	944	5 Feb 75	22 Feb 75
37	657	674	12 May 74	28 May 74	53	945	962	23 Feb 75	12 Mar 75
38	675	692	29 May 74	15 Jun 74	54	963	980	13 Mar 75	30 Mar 75
39	693	710	16 Jun 74	3 Jul 74	55	981	998	31 Mar 75	17 Apr 75
40	711	728	4 Jul 74	21 Jul 74	56	999	1016	18 Apr 75	5 May 75
41	729	746	22 Jul 74	8 Aug 74	57	1017	1034	6 May 75	23 May 75
42	747	764	9 Aug 74	26 Aug 74	58	1035	1052	24 May 75	10 Jun 75
43	765	782	27 Aug 74	13 Sep 74	59	1053	1070	11 Jun 75	28 Jun 75
44	783	800	14 Sep 74	1 Oct 74	60	1071	1088	29 Jun 75	16 Jul 75
45	801	818	2 Oct 74	19 Oct 74	61	1089	1106	17 Jul 75	3 Aug 75
46	819	836	20 Oct 74	6 Nov 74	62	1107	1124	4 Aug 75	21 Aug 75
47	837	854	7 Nov 74	24 Nov 74	63	1125	1142	22 Aug 75	8 Sep 75

SECTION 3.1 — LANDSAT 1 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
64	1143	1160	9 Sep 75	26 Sep 75	80	1431	1448	23 Jun 76	10 Jul 76
65	1161	1178	27 Sep 75	14 Oct 75	81	1449	1466	11 Jul 76	28 Jul 76
66	1179	1196	15 Oct 75	1 Nov 75	82	1467	1484	29 Jul 76	15 Aug 76
67	1197	1214	2 Nov 75	19 Nov 75	83	1485	1502	16 Aug 76	2 Sep 76
68	1215	1232	20 Nov 75	7 Dec 75	84	1503	1520	3 Sep 76	20 Sep 76
69	1233	1250	8 Dec 75	25 Dec 75	85	1521	1538	21 Sep 76	8 Oct 76
70	1251	1268	26 Dec 75	12 Jan 76	86	1539	1556	9 Oct 76	26 Oct 76
71	1269	1286	13 Jan 76	30 Jan 76	87	1557	1574	27 Oct 76	13 Nov 76
72	1287	1304	31 Jan 76	17 Feb 76	88	1575	1592	14 Nov 76	1 Dec 76
73	1305	1322	18 Feb 76	6 Mar 76	89	1593	1610	2 Dec 76	19 Dec 76
74	1323	1340	7 Mar 76	24 Mar 76	90	1611	1628	20 Dec 76	6 Jan 77
75	1341	1358	25 Mar 76	11 Apr 76	91	1629	1646	7 Jan 77	24 Jan 77
76	1359	1376	12 Apr 76	29 Apr 76	92	1647	1664	25 Jan 77	11 Feb 77
77	1377	1394	30 Apr 76	17 May 76	93	1665	1682	12 Feb 77	1 Mar 77
78	1395	1412	18 May 76	4 Jun 76	94	1683	1700	2 Mar 77	19 Mar 77
79	1413	1430	5 Jun 76	22 Jun 76	95	1701	1718	20 Mar 77	6 Apr 77

SECTION 3.2 — LANDSAT 2 CYCLES

Cycle	Days Since Launch		Calendar Date		Cycle	Days Since Launch		Calendar Date	
	Begin	End	Begin	End		Begin	End	Begin	End
First 22 days	1	22	22 Jan 75	13 Feb 75	19	347	364	4 Jan 76	21 Jan 76
1	23	40	14 Feb 75	3 Mar 75	20	365	382	22 Jan 76	8 Feb 76
2	41	58	4 Mar 75	21 Mar 75	21	383	400	9 Feb 76	26 Feb 76
3	59	76	22 Mar 75	8 Apr 75	22	401	418	27 Feb 76	15 Mar 76
4	77	94	9 Apr 75	26 Apr 75	23	419	436	16 Mar 76	2 Apr 76
5	95	112	27 Apr 75	14 May 75	24	437	454	3 Apr 76	20 Apr 76
6	113	130	15 May 75	1 Jun 75	25	455	472	21 Apr 76	8 May 76
7	131	148	2 Jun 75	19 Jun 75	26	473	490	9 May 76	26 May 76
8	149	188	20 Jun 75	7 Jul 75	27	491	508	27 May 76	13 Jun 76
9	167	184	8 Jul 75	25 Jul 75	28	509	526	14 Jun 76	1 Jul 76
10	185	202	26 Jul 75	12 Aug 75	29	527	544	2 Jul 76	19 Jul 76
11	203	220	13 Aug 75	30 Aug 75	30	545	562	20 Jul 76	6 Aug 76
12	221	238	31 Aug 75	17 Sep 75	31	563	580	7 Aug 76	24 Aug 76
13	239	256	18 Sep 75	5 Oct 75	32	581	598	25 Aug 76	11 Sep 76
14	257	274	6 Oct 75	23 Oct 75	33	599	616	12 Sep 76	29 Sep 76
15	275	292	24 Oct 75	10 Nov 75	34	617	634	30 Sep 76	17 Oct 76
16	293	310	11 Nov 75	28 Nov 75	35	635	652	18 Oct 76	4 Nov 76
17	311	328	29 Nov 75	16 Dec 75	36	653	670	5 Nov 76	22 Nov 76
18	329	346	17 Dec 75	3 Jan 76	37	671	688	23 Nov 76	10 Dec 76

0013

SECTION 4

LANDSAT 1 COVERAGE

0015

LANDSAT 1 OBSERVATION ID LISTING

12:09 SEP 15, '77

LANDSAT-1
OBSERVATION ID LISTING
FOR NON-USE
FROM 08/01/77 TO 08/31/77

PAGE 0016

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS 123	MSS 45678	MSS MODE	MSS DATA IMAGE GAIN	ORBIT PATH NUMBER	FRAME NON NUMBER
5823-15383	00000/0000	1-20031/0004	07/20/77	10	5420	5014N	09839W	43.7	112.7	GGG				34	25
5825-15492	00000/0000	1-20081/0001	07/22/77	90	5448	5137N	10082W	43.1	114.8	GGG				36	24
5825-15495	00000/0000	1-20081/0002	07/22/77	70	5448	5013N	10131W	43.3	113.0	GGG				36	25
5826-15553	00000/0000	1-20081/0003	07/23/77	40	5462	5013N	10287W	43.2	113.1	GGG				37	25
5829-16181	00000/0000	1-20081/0008	07/26/77	20	5504	3018N	11411W	42.7	91.0	GGG				40	39
5830-16235	00000/0000	1-20081/0006	07/27/77	10	5518	3018N	11537W	42.6	91.2	GGG				41	39
5831-19433	00000/0000	1-20081/0022	07/28/77	10	5534	7203N	14220W	34.5	147.5	GGG				79	9
5834-20002	00000/0000	1-20081/0028	07/31/77	60	5576	7204N	14633W	33.7	147.6	GGG				82	9
5835-15023	00000/0000	1-20081/0007	08/01/77	60	5587	5139N	08922W	41.1	116.4	GGG				28	24
5835-15025	00000/0000	1-20081/0008	08/01/77	40	5587	5014N	09000W	41.4	114.7	GGG				28	25
5835-15102	00000/0000	1-20081/0021	08/01/77	10	5587	2434N	09829W	41.0	87.0	GGG				28	43
5835-16461	00000/0000	1-20081/0023	08/01/77	10	5588	5015N	11549W	41.4	114.7	GGG				46	25
5835-20060	00000/0000	1-20081/0024	08/01/77	30	5590	7204N	14805W	33.5	147.7	GGG				83	9
5836-16512	00000/0000	1-20081/0009	08/02/77	20	5602	5140N	11636W	40.9	116.6	GGG				47	24
5836-16514	00000/0000	1-20081/0010	08/02/77	10	5602	5015N	11715W	41.2	115.0	GGG				47	25
5836-20082	00000/0000	1-20081/0012	08/02/77	100	5604	8019N	11232W	27.3	188.7	FGF				68	248
5836-20084	00000/0000	1-20081/0013	08/02/77	100	5604	7937N	11957W	28.1	180.9	GGG				85	2
5836-20091	00000/0000	1-20081/0014	08/02/77	90	5604	7846N	12623W	28.9	174.1	GGG				85	3
5836-20093	00000/0000	1-20081/0015	08/02/77	100	5604	7749N	13152W	29.6	168.2	G F				85	4
5836-20100	00000/0000	1-20081/0016	08/02/77	100	5604	7546N	13632W	30.4	163.0	GFF				84	5
5836-20102	00000/0000	1-20081/0017	08/02/77	90	5604	7540N	14030W	31.1	158.5	GD				84	6
5836-20105	00000/0000	1-20081/0018	08/02/77	90	5604	7429N	14357W	31.8	154.5	GGG				84	7
5836-20111	00000/0000	1-20081/0019	08/02/77	80	5604	7317N	14685W	32.5	150.9	GGG				84	8
5836-20114	00000/0000	1-20081/0020	08/02/77	50	5604	7202N	14933W	33.2	147.7	GGG				84	9
5837-16572	00000/0000	1-20081/0030	08/03/77	30	5616	5015N	11841W	41.0	115.2	GGG				48	25
5838-15192	00000/0000	1-20081/0024	08/04/77	90	5629	5139N	09342W	40.5	117.0	GFQ				31	24
5838-15195	00000/0000	1-20081/0027	08/04/77	90	5629	5015N	09481W	40.8	115.3	GGF				31	25
5838-17024	00000/0000	1-20081/0028	08/04/77	10	5630	5140N	11928W	40.5	117.0	GGG				49	24
5838-17030	00000/0000	1-20081/0029	08/04/77	10	5630	5015N	12008W	40.8	115.4	GGG				49	25
5838-20223	00000/0000	1-20081/0031	08/04/77	20	5632	7318N	14947W	32.0	151.0	GGG				86	8
5838-20225	00000/0000	1-20081/0032	08/04/77	20	5632	7205N	15222W	32.7	147.8	GGG				86	9
5839-13491	00000/0000	1-20081/0040	08/05/77	80	5642	2602N	07804W	40.9	89.7	GGG				14	42
5839-13494	00000/0000	1-20081/0041	08/05/77	80	5642	2435N	07826W	40.7	88.3	GGG				14	43
5839-17084	00000/0000	1-20081/0039	08/05/77	10	5644	5015N	12134W	40.6	115.6	GGG				50	25
5840-17142	00000/0000	1-20081/0011	08/06/77	10	5658	5016N	12300W	40.3	115.8	GGG				51	25
5841-13532	00000/0000	1-20081/0042	08/07/77	40	5670	5012N	07249W	40.2	116.0	GGG				16	25

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-1
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
5841-13535	00000/0000	1-20081/0043	08/07/77	50	5670	4847N	07326W	40.5	114.4	GGG			16	26
5841-15364	00000/0000	1-20081/0034	08/07/77	60	5671	5015N	09837W	40.1	116.0	PGF			34	25
5841-17193	00000/0000	1-20081/0038	08/07/77	10	5672	5140N	12344W	39.8	117.6	GGF			52	24
5841-17195	00000/0000	1-20081/0034	08/07/77	0	5672	5015N	12424W	40.1	116.0	GGF			52	25
5841-17213	00000/0000	1-20081/0037	08/07/77	90	5672	4433N	12647W	41.1	109.7	GGF			52	29
5841-17220	00000/0000	1-20081/0038	08/07/77	90	5672	4308N	12718W	41.3	108.1	GGF			52	30
5841-18572	00000/0000	1-20081/0033	08/07/77	40	5673	6928N	13506W	33.2	142.5	GGG			71	11
5842-17253	00000/0000	1-20081/0046	08/08/77	40	5686	5014N	12551W	39.9	116.2	GGF			53	25
5842-17262	00000/0000	1-20081/0047	08/08/77	40	5686	4724N	12705W	40.5	113.1	GGG			53	27
5842-19023	00000/0000	1-20081/0044	08/08/77	70	5687	7046N	13431W	32.3	145.2	GGG			72	10
5842-19030	00000/0000	1-20081/0045	08/08/77	20	5687	6929N	13631W	33.0	142.6	GGG			72	11
5847-16103	00000/0000	1-20081/0048	08/13/77	10	5755	5016N	10713W	38.8	117.5	GGG			40	25
5848-16215	00000/0000	1-20081/0051	08/14/77	20	5769	3019N	11536W	40.5	97.1	GGG			41	39
5848-17562	00000/0000	1-20081/0052	08/14/77	10	5770	6004N	12853W	35.4	129.1	F			59	18
5848-17583	00000/0000	1-20081/0053	08/14/77	50	5770	5305N	13304W	37.7	120.9	GGG			59	23
5848-19353	00000/0000	1-20081/0050	08/14/77	0	5771	7318N	13813W	29.2	151.7	GG			78	8
5848-19355	00000/0000	1-20081/0049	08/14/77	10	5771	7204N	14048W	29.9	148.6	GGG			78	9
5849-14383	00000/0000	1-20081/0054	08/15/77	40	5782	5016N	08415W	38.3	118.0	GGG			24	25
5850-16272	00000/0000	1-20081/0055	08/16/77	10	5797	5017N	11129W	38.0	118.3	GGG			43	25

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

IFIN

LANDSAT - 1
COORDINATE LISTING

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COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0020

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
07249W	5012N	5841-13532	40	GGG	16	25	12134W	5015N	5839-17084	10	GGG	50	25
07326W	4847N	5841-13535	50	GGG	16	26	12300W	5016N	5840-17142	10	GGG	51	25
07804W	2602N	5839-13491	80	GGG	14	42	12344W	5140N	5841-17193	10	GGF	52	24
07826W	2435N	5839-13494	80	GGG	14	43	12424W	5015N	5841-17195	0	GGF	52	25
08415W	5016N	5849-14383	40	GGG	24	25	12551W	5014N	5842-17253	40	GGF	53	25
08922W	5139N	5835-15023	60	GGG	38	24	12623W	7846N	5836-20091	90	GGG	55	3
09000W	5014N	5835-15025	40	GGG	28	25	12647W	4433N	5841-17213	90	GGF	52	29
09342W	5139N	5838-15192	90	GFG	31	24	12705W	4724N	5842-17262	40	GGG	53	27
09421W	5015N	5838-15195	90	GGF	31	25	12718W	4308N	5841-17220	90	GGF	52	30
09829W	2434N	5835-15102	10	GGG	28	43	12853W	6004N	5848-17562	10	F	39	18
09837W	5015N	5841-15364	60	PFG	34	25	13152W	7749N	5836-20093	100	G F	85	4
09839W	5014N	5823-15383	10	GGG	34	25	13304W	5305N	5848-17583	50	GGG	59	23
10052W	5137N	5825-15492	90	GGG	36	24	13431W	7046N	5842-19023	70	GFG	72	10
10131W	5013N	5825-15495	70	GGG	36	25	13506W	6928N	5841-18572	40	GGG	71	11
10257W	5013N	5826-15553	40	GGG	37	25	13631W	6929N	5842-19030	20	FGG	72	11
10713W	5016N	5847-16103	10	FGG	40	25	13632W	7646N	5836-20100	100	GGF	84	5
11129W	5017N	5850-16272	10	GGG	43	25	13813W	7318N	5848-19353	0	GG	78	8
11232W	5019N	5836-20082	100	GFG	68	248	14030W	7540N	5836-20102	90	GG	84	6
11411W	3018N	5829-16181	20	GGG	40	39	14048W	7204N	5848-19355	10	FGG	78	9
11536W	3019N	5848-16215	20	GGG	41	39	14220W	7203N	5831-19433	10	GGG	79	9
11537W	3018N	5830-16235	10	GGG	41	39	14357W	7429N	5836-20105	90	GGG	84	7
11549W	5015N	5835-16461	10	GGG	46	25	14633W	7204N	5834-20002	60	GGG	82	9
11636W	5140N	5836-16512	20	GGG	47	24	14655W	7317N	5836-20111	80	GGG	84	8
11715W	5015N	5836-16514	10	GGG	47	25	14805W	7204N	5835-20060	30	GGG	83	9
11841W	5015N	5837-16572	30	GGG	48	25	14933W	7202N	5836-20114	50	GGG	84	9
11928W	5140N	5838-17024	10	GGG	49	24	14947W	7318N	5838-20223	20	GGG	86	8
11957W	7937N	5836-20084	100	GGG	85	2	15222W	7205N	5838-20225	20	GGG	86	9
12008W	5015N	5838-17030	10	GGG	49	25							

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

IFIN

0021

SECTION 5

LANDSAT 2 COVERAGE

0023

LANDSAT 2 OBSERVATION ID LISTING

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LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0024

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2875-03223	00000/0000	2-20049/0001	06/15/77	10	2193	4559N 09618E	55.0	119.1	FFFF			148	28
2875-03252	00000/0000	2-20049/0002	06/15/77	80	2193	3600N 09248E	56.6	102.3	FFFF			148	35
2875-03255	00000/0000	2-20049/0003	06/15/77	50	2193	3434N 09222E	56.6	99.9	FFGF			148	36
2875-03261	00000/0000	2-20049/0004	06/15/77	70	2193	3309N 09186E	56.5	97.5	GGGF			148	37
2875-03275	00000/0000	2-20049/0005	06/15/77	90	2193	2725N 09020E	55.8	88.3	FFGF			148	41
2875-03282	00000/0000	2-20049/0006	06/15/77	80	2193	2558N 08956E	55.4	86.1	FFFF			148	42
2875-03284	00000/0000	2-20049/0007	06/15/77	50	2193	2432N 08933E	55.1	83.9	FF G			148	43
2875-03291	00000/0000	2-20049/0008	06/15/77	50	2193	2305N 08910E	54.6	81.8	FGGF			148	44
2875-03293	00000/0000	2-20049/0009	06/15/77	50	2193	2139N 08848E	54.2	79.8	FFGF			148	45
2875-03311	00000/0000	2-20049/0010	06/15/77	90	2193	1552N 08722E	51.8	72.3	FFFF			148	49
2875-03314	00000/0000	2-20049/0011	06/15/77	70	2193	1426N 08701E	51.2	70.6	FF G			148	50
2875-05084	00000/0000	2-20049/0012	06/15/77	0	2194	3604N 06659E	56.6	102.4	GGGG			166	35
2875-05090	00000/0000	2-20049/0013	06/15/77	0	2194	3438N 06633E	56.6	100.0	FFGG			166	36
2875-05092	00000/0000	2-20049/0014	06/15/77	0	2194	3312N 06608E	56.5	97.6	FFGG			166	37
2875-05095	00000/0000	2-20049/0015	06/15/77	0	2194	3145N 06542E	56.4	95.2	FFGG			166	38
2875-05102	00000/0000	2-20049/0016	06/15/77	0	2194	3019N 06518E	56.3	92.9	FG G			166	39
2875-05104	00000/0000	2-20049/0017	06/15/77	10	2194	2852N 06454E	56.0	90.6	GFGG			166	40
2875-05111	00000/0000	2-20049/0018	06/15/77	10	2194	2726N 06430E	55.8	88.3	GGGF			166	41
2875-05113	00000/0000	2-20049/0019	06/15/77	20	2194	2600N 06406E	55.4	86.1	FFGF			166	42
2875-05120	00000/0000	2-20049/0020	06/15/77	20	2194	2434N 06343E	55.1	84.0	FFGF			166	43
2876-03290	00000/0000	2-20049/0528	06/16/77	10	2207	4309N 09347E	55.7	114.2	FGFF			149	30
2876-03292	00000/0000	2-20049/0529	06/16/77	60	2207	4143N 09317E	56.0	111.9	FFGP			149	31
2876-03295	00000/0000	2-20049/0530	06/16/77	70	2207	4018N 09247E	56.2	109.5	FFGP			149	32
2876-03301	00000/0000	2-20049/0531	06/16/77	70	2207	3852N 09218E	56.4	107.0	FFGF			149	33
2876-03304	00000/0000	2-20049/0532	06/16/77	80	2207	3726N 09150E	56.5	104.6	GGGG			149	34
2876-03310	00000/0000	2-20049/0533	06/16/77	80	2207	3601N 09123E	56.5	102.2	GGGG			149	35
2876-03313	00000/0000	2-20049/0534	06/16/77	70	2207	3435N 09057E	56.5	99.8	GGGG			149	36
2876-03315	00000/0000	2-20049/0535	06/16/77	70	2207	3309N 09031E	56.5	97.4	GGGG			149	37
2876-03322	00000/0000	2-20049/0536	06/16/77	70	2207	3143N 09006E	56.4	95.1	GGGG			149	38
2876-03324	00000/0000	2-20049/0537	06/16/77	80	2207	3018N 08942E	56.2	92.7	GGGG			149	39
2876-03331	00000/0000	2-20049/0538	06/16/77	70	2207	2852N 08918E	56.0	90.4	GGGG			149	40
2876-03333	00000/0000	2-20049/0539	06/16/77	80	2207	2726N 08854E	55.7	88.2	PPPP			149	41
2876-03340	00000/0000	2-20049/0540	06/16/77	90	2207	2600N 08831E	55.4	86.0	PPPP			149	42
2876-03342	00000/0000	2-20049/0541	06/16/77	70	2207	2439N 08808E	55.0	83.8	GGGF			149	43
2876-03351	00000/0000	2-20049/0542	06/16/77	70	2207	2140N 08782E	54.1	79.7	FFFF			149	45
2876-03360	00000/0000	2-20049/0543	06/16/77	90	2207	1847N 08639E	53.0	75.9	PPPP			149	47

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR N8N-4US
FROM 08/01/77 TO 08/31/77

PAGE 0025

OBSERVATION ID	MICROFILM ROLL NO., POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2876-03363	00000/0000 2-20049/0544	06/16/77	90	2207	1721N	08618E	52.4	74.0	FFFF		149	48
2876-03365	00000/0000 2-20049/0545	06/16/77	90	2207	1554N	08587E	51.8	72.3	FFFF		149	49
2876-03372	00000/0000 2-20049/0546	06/16/77	90	2207	1428N	08536E	51.1	70.6	FFFF		149	50
2876-05110	00000/0000 2-20049/0547	06/16/77	0	2208	4723N	06938E	54.6	121.3	FGGF		167	27
2876-05112	00000/0000 2-20049/0548	06/16/77	0	2208	4558N	06903E	55.0	118.9	FGGF		167	28
2876-05115	00000/0000 2-20049/0549	06/16/77	0	2208	4434N	06830E	55.4	116.6	PPPP		167	29
2876-05142	00000/0000 2-20049/0550	06/16/77	0	2208	3601N	06533E	56.5	102.2	PPPP		167	35
2876-05144	00000/0000 2-20049/0551	06/16/77	0	2208	3435N	06507E	56.5	99.8	PPPP		167	36
2876-05151	00000/0000 2-20049/0552	06/16/77	0	2208	3309N	06441E	56.5	97.4	FGGF		167	37
2876-05153	00000/0000 2-20049/0553	06/16/77	0	2208	3143N	06415E	56.4	95.0	FGGF		167	38
2876-05160	00000/0000 2-20049/0554	06/16/77	0	2208	3016N	06350E	56.2	92.7	PPPP		167	39
2876-05162	00000/0000 2-20049/0555	06/16/77	10	2208	2849N	06326E	56.0	90.4	FFFF		167	40
2876-05165	00000/0000 2-20049/0556	06/16/77	20	2208	2724N	06302E	55.7	88.2	FFFF		167	41
2876-05171	00000/0000 2-20049/0557	06/16/77	40	2208	2557N	06239E	55.4	86.0	GGGF		167	42
2876-05174	00000/0000 2-20049/0558	06/16/77	40	2208	2431N	06217E	55.0	83.8	PPFF		167	43
2876-05180	00000/0000 2-20049/0559	06/16/77	20	2208	2304N	06155E	54.6	81.7	PPFF		167	44
2886-04280	00000/0000 2-20049/0024	06/26/77	30	2347	3600N	07701E	56.0	101.6	GGGG		159	35
2886-04282	00000/0000 2-20049/0025	06/26/77	20	2347	3434N	07634E	56.0	99.2	GGGF		159	36
2886-04285	00000/0000 2-20049/0026	06/26/77	80	2347	3308N	07609E	55.9	96.9	FFFF		159	37
2886-04303	00000/0000 2-20049/0027	06/26/77	90	2347	2725N	07432E	55.1	87.8	FFFG		159	41
2886-04305	00000/0000 2-20049/0028	06/26/77	90	2347	2559N	07409E	54.8	85.7	PPPF		159	42
2886-04330	00000/0000 2-20049/0029	06/26/77	80	2347	1847N	07218E	52.4	75.8	FFFG		159	47
2886-06075	00000/0000 2-20049/0030	06/26/77	40	2348	4723N	05517E	54.2	120.4	FGGG		177	27
2886-06084	00000/0000 2-20049/0031	06/26/77	90	2348	4432N	05408E	55.0	115.7	GFGF		177	29
2886-06091	00000/0000 2-20049/0032	06/26/77	90	2348	4307N	05336E	55.3	113.4	GFGG		177	30
2887-04334	00000/0000 2-20049/0033	06/27/77	30	2361	3600N	07535E	56.0	101.6	FFFF		160	35
2887-04340	00000/0000 2-20049/0034	06/27/77	40	2361	3434N	07509E	55.9	99.2	FFFF		160	36
2887-04343	00000/0000 2-20049/0035	06/27/77	50	2361	3309N	07443E	55.9	96.9	GF3G		160	37
2887-04345	00000/0000 2-20049/0036	06/27/77	50	2361	3143N	07418E	55.7	94.6	GGGG		160	38
2887-04352	00000/0000 2-20049/0037	06/27/77	10	2361	3017N	07354E	55.6	92.3	GGGG		160	39
2887-04354	00000/0000 2-20049/0038	06/27/77	90	2361	2851N	07330E	55.3	90.1	GGGG		160	40
2887-04361	00000/0000 2-20049/0039	06/27/77	90	2361	2725N	07306E	55.1	87.9	GGGG		160	41
2887-04363	00000/0000 2-20049/0040	06/27/77	80	2361	2559N	07243E	54.7	85.7	GGGG		160	42
2887-04370	00000/0000 2-20049/0041	06/27/77	80	2361	2433N	07220E	54.3	83.6	GGGG		160	43
2887-04372	00000/0000 2-20049/0042	06/27/77	70	2361	2307N	07157E	53.9	81.6	GGGG		160	44
2887-04375	00000/0000 2-20049/0043	06/27/77	70	2361	2141N	07135E	53.4	79.6	GGGG		160	45

KEYS: CLOUD COVER % ,..... 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY ,..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE ,..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN ,..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0026

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS MSS	MSS DATA	MSS IMAGE	ORBIT PATH	FRAME ROW
								123	45678	MODE	GAIN	NUMBER	NUMBER
2887-04381	00000/0000	2-20049/0044	06/27/77	80	2361	2014N	07114E	52.9	77.7	GGGG		150	46
2887-04384	00000/0000	2-20049/0045	06/27/77	60	2361	1847N	07052E	52.4	75.9	GGGG		160	47
2887-06140	00000/0000	2-20049/0046	06/27/77	20	2362	4557N	05316E	54.5	118.0	GGGG		178	28
2887-06142	00000/0000	2-20049/0047	06/27/77	20	2362	4432N	05243E	54.9	115.7	GGGG		178	29
2887-06145	00000/0000	2-20049/0048	06/27/77	10	2362	4307N	05210E	55.2	113.4	PPFF		178	30
2898-03482	00000/0000	2-20049/0093	07/08/77	30	2514	5133N	09135E	51.7	126.9	GGGG		153	24
2898-03484	00000/0000	2-20049/0094	07/08/77	30	2514	5009N	09055E	52.2	124.7	GGGG		153	25
2898-03491	00000/0000	2-20049/0095	07/08/77	10	2514	4844N	09017E	52.7	122.6	GGGG		153	26
2898-03493	00000/0000	2-20049/0096	07/08/77	30	2514	4719N	08941E	53.1	120.4	GGGG		153	27
2898-03500	00000/0000	2-20049/0097	07/08/77	70	2514	455-N	08906E	53.5	118.1	GGGG		153	28
2898-03511	00000/0000	2-20049/0098	07/08/77	10	2514	4139N	08730E	54.5	111.4	G GG		153	31
2898-03514	00000/0000	2-20049/0098	07/08/77	0	2514	4014N	08700E	54.7	109.1	GFGG		153	32
2898-03520	00000/0000	2-20049/0099	07/08/77	10	2514	3849N	08632E	54.9	106.8	GGGG		153	33
2898-03523	00000/0000	2-20049/0100	07/08/77	20	2514	3724N	08605E	55.0	104.5	GGGG		153	34
2898-03525	00000/0000	2-20049/0101	07/08/77	30	2514	3558N	08537E	55.0	102.2	GGGG		153	35
2898-03532	00000/0000	2-20049/0102	07/08/77	20	2514	3432N	08511E	55.0	99.9	GGGG		153	36
2898-03534	00000/0000	2-20049/0103	07/08/77	40	2514	3306N	08445E	55.0	97.7	GGGG		153	37
2898-03541	00000/0000	2-20049/0104	07/08/77	40	2514	3140N	08420E	54.9	95.5	GGGG		153	38
2898-03555	00000/0000	2-20049/0105	07/08/77	80	2514	2557N	08243E	53.9	86.8	GGGG		153	42
2898-05323	00000/0000	2-20049/0117	07/08/77	30	2515	4844N	06426E	52.7	122.5	GG		171	26
2898-05325	00000/0000	2-20049/0106	07/08/77	10	2515	4719N	06350E	53.1	120.3	GGGG		171	27
2898-05332	00000/0000	2-20049/0107	07/08/77	10	2515	4554N	06315E	53.5	118.1	GGGG		171	28
2898-05334	00000/0000	2-20049/0108	07/08/77	10	2515	4429N	06242E	53.9	115.9	GGGG		171	29
2898-05341	00000/0000	2-20049/0109	07/08/77	40	2515	4304N	06210E	54.2	113.6	GGGG		171	30
2898-05343	00000/0000	2-20049/0110	07/08/77	20	2515	4139N	06140E	54.5	111.4	GGGG		171	31
2898-05350	00000/0000	2-20049/0111	07/08/77	10	2515	4013N	06111E	54.7	109.1	GGGG		171	32
2898-05364	00000/0000	2-20049/0112	07/08/77	10	2515	3430N	05921E	55.0	99.9	G		171	36
2898-05370	00000/0000	2-20049/0112	07/08/77	10	2515	3305N	05855E	55.0	97.7	GGGG		171	37
2898-05373	00000/0000	2-20049/0113	07/08/77	10	2515	3139N	05830E	54.9	95.4	FFFF		171	38
2898-05375	00000/0000	2-20049/0114	07/08/77	10	2515	3014N	05805E	54.7	93.2	GGGG		171	39
2898-05382	00000/0000	2-20049/0115	07/08/77	0	2515	2848N	05741E	54.5	91.1	GGGF		171	40
2898-05384	00000/0000	2-20049/0116	07/08/77	10	2515	2722N	05717E	54.2	88.9	FGGF		171	41
2899-03540	00000/0000	2-20049/0147	07/09/77	10	2528	5134N	09008E	51.5	127.0	F		154	24
2899-03543	00000/0000	2-20049/0148	07/09/77	10	2528	5009N	08928E	52.1	124.8	FGGG		154	25
2899-03545	00000/0000	2-20049/0149	07/09/77	10	2528	4845N	08851E	52.6	122.6	FGGG		154	26
2899-03552	00000/0000	2-20049/0150	07/09/77	10	2528	4719N	08815E	53.0	120.4	FFGG		154	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 01/77 TO 08/31/77

PAGE 0027

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2899-03554	00000/0000	2-20049/0151	07/09/77	10	2528	4555N 08741E	53.4	118.2	FGGG			154	28
2899-03570	00000/0000	2-20049/0152	07/09/77	10	2528	4140N 08606E	54.4	111.5	FGGG			154	31
2899-03572	00000/0000	2-20049/0153	07/09/77	40	2528	4015N 08536E	54.6	109.2	FGGF			154	32
2899-03575	00000/0000	2-20049/0154	07/09/77	60	2528	3850N 08508E	54.7	106.9	GGGG			154	33
2899-03581	00000/0000	2-20049/0155	07/09/77	80	2528	3725N 08439E	54.9	104.7	GGGG			154	34
2899-03584	00000/0000	2-20049/0156	07/09/77	50	2528	3559N 08411E	54.9	102.4	GGGG			154	35
2899-03590	00000/0000	2-20049/0157	07/09/77	30	2528	3433N 08343E	54.9	100.1	GGGG			154	36
2899-03590	00000/0000	2-20049/0158	07/09/77	90	2528	3306N 08318E	54.9	97.9	GGGG			154	37
2899-03595	00000/0000	2-20049/0159	07/09/77	80	2528	3141N 08253E	54.8	95.6	GGGG			154	38
2899-04002	00000/0000	2-20049/0160	07/09/77	70	2528	3015N 08228E	54.6	93.4	GGGG			154	39
2899-04004	00000/0000	2-20049/0161	07/09/77	90	2528	2849N 08204E	54.4	91.3	GGGG			154	40
2899-04011	00000/0000	2-20049/0162	07/09/77	90	2528	2724N 08140E	54.2	89.1	GGGG			154	41
2899-04013	00000/0000	2-20049/0163	07/09/77	90	2528	2557N 08117E	53.9	87.0	GGGG			154	42
2899-04020	00000/0000	2-20049/0164	07/09/77	80	2528	2431N 08064E	53.5	85.0	GGGG			154	43
2899-04022	00000/0000	2-20049/0165	07/09/77	70	2528	2305N 08032E	53.1	83.0	GGGG			154	44
2899-04025	00000/0000	2-20049/0166	07/09/77	90	2528	2139N 08010E	52.7	81.1	GGGG			154	45
2899-04031	00000/0000	2-20049/0167	07/09/77	90	2528	2013N 07948E	52.2	79.4	GGGG			154	46
2899-04034	00000/0000	2-20049/0168	07/09/77	90	2528	1847N 07927E	51.7	77.4	GGGG			154	47
2899-04040	00000/0000	2-20049/0169	07/09/77	90	2528	1721N 07907E	51.1	75.6	GGGG			154	48
2899-04043	00000/0000	2-20049/0170	07/09/77	100	2528	1555N 07846E	50.5	73.9	GGGG			154	49
2899-04045	00000/0000	2-20049/0171	07/09/77	70	2528	1429N 07825E	49.9	72.3	FGGG			154	50
2899-04052	00000/0000	2-20049/0172	07/09/77	50	2528	1303N 07805E	49.2	70.7	GGGG			154	51
2899-05383	00000/0000	2-20049/0173	07/09/77	10	2529	4720N 06225E	53.0	120.4	GGGG			172	27
2899-05390	00000/0000	2-20049/0174	07/09/77	10	2529	4555N 06151E	53.4	118.2	FGGG			172	28
2899-05392	00000/0000	2-20049/0175	07/09/77	50	2529	4430N 06118E	53.8	116.0	FGGG			172	29
2899-05395	00000/0000	2-20049/0176	07/09/77	70	2529	4304N 06046E	54.1	113.7	GGGG			172	30
2899-05401	00000/0000	2-20049/0177	07/09/77	20	2529	4132N 06015E	54.4	111.5	FGGG			172	31
2899-05404	00000/0000	2-20049/0178	07/09/77	0	2529	4014N 05946E	54.6	109.2	FGGF			172	32
2899-05413	00000/0000	2-20049/0179	07/09/77	0	2529	3723N 05849E	54.8	104.6	GGGF			172	34
2899-05415	00000/0000	2-20049/0180	07/09/77	0	2529	3558N 05822E	54.9	102.4	FGGG			172	35
2899-05422	00000/0000	2-20049/0181	07/09/77	0	2529	3432N 05756E	54.9	100.1	FGGF			172	36
2899-05424	00000/0000	2-20049/0182	07/09/77	0	2529	3306N 05730E	54.9	97.9	FFFF			172	37
2901-07293	00000/0000	2-20049/0088	07/11/77	40	2558	5952N 04032E	47.3	139.6	GGGG			192	18
2901-07295	00000/0000	2-20049/0089	07/11/77	40	2558	5829N 03935E	48.0	137.5	FFGF			192	19
2901-07302	00000/0000	2-20049/0084	07/11/77	50	2558	5706N 03842E	48.8	135.4	FFFF			192	20
2901-07304	00000/0000	2-20049/0085	07/11/77	50	2558	5543N 03752E	49.4	133.3	FFFF			192	21

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0028

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2901-07311	00000/0000	2-20049/0084	07/11/77	30	2558	5419N	03704E	50.1	131.2	PGGG		192	22
2901-07313	00000/0000	2-20049/0087	07/11/77	30	2558	5255N	03620E	50.7	129.1	GGFF		192	23
2901-07320	00000/0000	2-20049/0088	07/11/77	80	2558	5131N	03538E	51.3	127.0	PPPP		192	24
2901-07322	00000/0000	2-20049/0089	07/11/77	90	2558	5007N	03458E	51.8	124.8	PPPP		192	25
2901-07325	00000/0000	2-20049/0090	07/11/77	80	2558	4842N	03420E	52.3	122.7	FPPP		192	26
2901-07331	00000/0000	2-20049/0091	07/11/77	30	2558	4717N	03344E	52.8	120.5	FGFG		192	27
2902-04124	00000/0000	2-20049/0208	07/12/77	60	2570	4555N	08323E	53.1	118.5	FGGG		157	28
2902-04131	00000/0000	2-20049/0203	07/12/77	20	2570	4430N	08250E	53.4	116.3	FGGF		157	29
2902-04133	00000/0000	2-20049/0204	07/12/77	10	2570	4304N	08218E	53.7	114.0	GGGG		157	30
2902-04140	00000/0000	2-20049/0205	07/12/77	10	2570	4139N	08147E	54.0	111.8	GGGG		157	31
2902-04142	00000/0000	2-20049/0206	07/12/77	10	2570	4014N	08117E	54.2	109.6	FGGF		157	32
2902-04145	00000/0000	2-20049/0207	07/12/77	10	2570	3849N	08049E	54.4	107.3	FGGG		157	33
2902-04151	00000/0000	2-20049/0208	07/12/77	0	2570	3724N	08021E	54.5	105.1	FGGG		157	34
2902-04154	00000/0000	2-20049/0209	07/12/77	10	2570	3558N	07954E	54.6	102.8	GGGG		157	35
2902-04160	00000/0000	2-20049/0210	07/12/77	40	2570	3432N	07927E	54.6	100.6	FGFF		157	36
2902-04163	00000/0000	2-20049/0211	07/12/77	70	2570	3307N	07901E	54.6	98.3	GGGF		157	37
2902-04165	00000/0000	2-20049/0212	07/12/77	70	2570	3141N	07835E	54.5	96.1	GGGG		157	38
2902-04172	00000/0000	2-20049/0213	07/12/77	60	2570	3015N	07811E	54.4	93.9	GGGG		157	39
2902-04174	00000/0000	2-20049/0214	07/12/77	60	2570	2850N	07747E	54.2	91.8	GGGG		157	40
2902-04181	00000/0000	2-20049/0215	07/12/77	50	2570	2724N	07723E	53.9	89.7	GGGG		157	41
2902-04183	00000/0000	2-20049/0216	07/12/77	50	2570	2558N	07700E	53.7	87.6	GGGG		157	42
2902-04190	00000/0000	2-20049/0217	07/12/77	60	2570	2431N	07637E	53.3	85.6	GGGG		157	43
2902-04192	00000/0000	2-20049/0218	07/12/77	60	2570	2305N	07614E	52.9	83.6	GGGG		157	44
2902-04195	00000/0000	2-20049/0219	07/12/77	50	2570	2139N	07582E	52.5	81.7	GGGG		157	45
2902-04201	00000/0000	2-20049/0220	07/12/77	40	2570	2013N	07531E	52.0	79.8	GGGG		157	46
2902-04204	00000/0000	2-20049/0221	07/12/77	50	2570	1847N	07509E	51.5	78.0	GGGG		157	47
2902-04210	00000/0000	2-20049/0222	07/12/77	60	2570	1721N	07447E	51.0	76.2	GGGG		157	48
2902-04213	00000/0000	2-20049/0223	07/12/77	60	2570	1554N	07426E	50.4	74.5	GGGG		157	49
2902-04215	00000/0000	2-20049/0224	07/12/77	70	2570	1428N	07406E	49.8	72.9	GGGP		157	50
2902-04222	00000/0000	2-20049/0225	07/12/77	80	2570	1301N	07345E	49.1	71.3	FFFF		157	51
2902-05572	00000/0000	2-20049/0226	07/12/77	10	2571	4138N	05584E	54.0	111.8	GGGG		175	31
2902-05574	00000/0000	2-20049/0227	07/12/77	10	2571	4013N	05526E	54.2	109.6	FGGF		175	32
2902-05581	00000/0000	2-20049/0228	07/12/77	10	2571	3847N	05457E	54.4	107.3	FFFF		175	33
2902-05583	00000/0000	2-20049/0229	07/12/77	10	2571	3722N	05430E	54.5	105.1	GGGF		175	34
2902-05590	00000/0000	2-20049/0230	07/12/77	10	2571	3557N	05402E	54.6	102.8	FGGF		175	35
2903-04194	00000/0000	2-20049/0681	07/13/77	40	2584	4140N	08020E	53.9	112.0	GGGG		158	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0029

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	ROLL NO./ MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2903-04201	00000/0000	2-20049/0682	07/13/77	10	2584	4014N	07980E	54.1	109.7	GGGG				158	32
2903-04203	00000/0000	2-20049/0683	07/13/77	10	2584	3849N	07922E	54.3	107.5	GGGG				158	33
2903-04210	00000/0000	2-20049/0684	07/13/77	0	2584	3723N	07854E	54.4	105.2	GGGG				158	34
2903-04212	00000/0000	2-20049/0685	07/13/77	10	2584	3558N	07827E	54.5	103.0	GGGG				158	35
2903-04215	00000/0000	2-20049/0686	07/13/77	30	2584	3433N	07800E	54.5	100.8	GGGG				158	36
2903-04221	00000/0000	2-20049/0687	07/13/77	70	2584	3307N	07734E	54.5	98.5	GGGG				158	37
2903-04224	00000/0000	2-20049/0688	07/13/77	90	2584	3141N	07708E	54.4	96.3	GGGG				158	38
2903-04230	00000/0000	2-20049/0689	07/13/77	70	2584	3015N	07644E	54.3	94.2	GGGG				158	39
2903-04233	00000/0000	2-20049/0690	07/13/77	90	2584	2849N	07620E	54.1	92.0	GGGG				158	40
2903-04235	00000/0000	2-20049/0691	07/13/77	80	2584	2724N	07556E	53.9	89.9	GGGG				158	41
2903-04242	00000/0000	2-20049/0692	07/13/77	50	2584	2558N	07533E	53.6	87.8	GGGG				158	42
2903-04244	00000/0000	2-20049/0693	07/13/77	50	2584	2431N	07511E	53.2	85.8	GGGG				158	43
2903-04251	00000/0000	2-20049/0694	07/13/77	70	2584	2305N	07449E	52.9	83.8	GGGG				158	44
2903-04253	00000/0000	2-20049/0695	07/13/77	50	2584	2140N	07427E	52.5	81.9	GGGG				158	45
2903-04260	00000/0000	2-20049/0696	07/13/77	40	2584	2014N	07405E	52.0	80.0	GGGG				158	46
2903-04262	00000/0000	2-20049/0697	07/13/77	40	2584	1847N	07344E	51.5	78.2	GGGG				158	47
2903-06012	00000/0000	2-20049/0698	07/13/77	10	2585	4719N	05641E	52.5	120.7	GGGG				176	27
2903-06014	00000/0000	2-20049/0699	07/13/77	10	2585	4554N	05605E	52.9	118.6	GGGG				176	28
2903-06021	00000/0000	2-20049/0700	07/13/77	10	2585	4429N	05532E	53.3	116.4	GGGG				176	29
2903-06023	00000/0000	2-20049/0701	07/13/77	30	2585	4303N	05500E	53.6	114.2	GGGG				176	30
2903-06030	00000/0000	2-20049/0702	07/13/77	10	2585	4138N	05430E	53.9	111.9	GGGG				176	31
2903-07411	00000/0000	2-20049/0231	07/13/77	50	2586	5830N	03644E	47.7	137.5	FFGG				194	19
2903-07414	00000/0000	2-20049/0232	07/13/77	60	2586	5707N	03581E	48.5	135.5	GGGG				194	20
2903-07420	00000/0000	2-20049/0233	07/13/77	50	2586	5544N	03501E	49.1	133.4	FFGG				194	21
2903-07423	00000/0000	2-20049/0234	07/13/77	50	2586	5421N	03413E	49.8	131.3	FFGG				194	22
2903-07425	00000/0000	2-20049/0235	07/13/77	50	2586	5257N	03329E	50.4	129.2	FFFF				194	23
2903-07432	00000/0000	2-20049/0236	07/13/77	50	2586	5132N	03247E	51.0	127.1	FFFF				194	24
2903-07434	00000/0000	2-20049/0237	07/13/77	80	2586	5008N	03207E	51.5	125.0	FFFF				194	25
2903-07441	00000/0000	2-20049/0238	07/13/77	90	2586	4843N	03129E	52.0	122.9	FFFF				194	26
2903-07443	00000/0000	2-20049/0239	07/13/77	90	2586	4718N	03083E	52.5	120.7	FFFF				194	27
2903-07450	00000/0000	2-20049/0240	07/13/77	90	2586	4553N	03019E	52.9	118.6	FFFF				194	28
2904-04273	00000/0000	2-20049/0625	07/14/77	40	2598	3430N	07632E	54.4	100.9	GGGG				159	36
2904-04275	00000/0000	2-20049/0626	07/14/77	90	2598	3304N	07607E	54.4	98.7	GGGG				159	37
2904-04282	00000/0000	2-20049/0627	07/14/77	100	2598	3138N	07543E	54.3	96.5	GGGG				159	38
2904-04284	00000/0000	2-20049/0628	07/14/77	90	2598	3012N	07518E	54.2	94.3	GGGG				159	39
2904-04291	00000/0000	2-20049/0629	07/14/77	30	2598	2847N	07454E	54.0	92.2	GGGG				159	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2904-04293	00000/0000 2=20049/0630	07/14/77	50	2598	2721N 07430E	53.8	90.0	GGGG			159	41
2904-04300	00000/0000 2=20049/0631	07/14/77	60	2598	2555N 07407E	53.5	88.0	GGGG			159	42
2904-04302	00000/0000 2=20049/0632	07/14/77	70	2598	2430N 07344E	53.2	86.0	GGGG			159	43
2904-04305	00000/0000 2=20049/0633	07/14/77	60	2598	2303N 07322E	52.8	84.0	GGGG			159	44
2904-04311	00000/0000 2=20049/0634	07/14/77	60	2598	2137N 07300E	52.4	82.1	GGGG			159	45
2904-04314	00000/0000 2=20049/0635	07/14/77	60	2598	2011N 07238E	51.9	80.2	GGGG			159	46
2904-04320	00000/0000 2=20049/0636	07/14/77	60	2598	1845N 07217E	51.4	78.4	FFFF			159	47
2904-06070	00000/0000 2=20049/0637	07/14/77	20	2599	4719N 05514E	52.3	120.9	GGGG			177	27
2904-06072	00000/0000 2=20049/0638	07/14/77	30	2599	4555N 05439E	52.8	118.7	FFFF			177	28
2904-06075	00000/0000 2=20049/0639	07/14/77	10	2599	4430N 05407E	52.1	116.5	FFFF			177	29
2904-06081	00000/0000 2=20049/0640	07/14/77	10	2599	4304N 05335E	53.5	114.3	GGGG			177	30
2904-06084	00000/0000 2=20049/0641	07/14/77	30	2599	4139N 05305E	53.7	112.1	FFGG			177	31
2905-04331	00000/0000 2=20049/1023	07/15/77	90	2612	3429N 07507E	54.3	101.1	FFGG			160	36
2905-04333	00000/0000 2=20049/1024	07/15/77	90	2612	3303N 07441E	54.3	98.9	FFGG			160	37
2905-04340	00000/0000 2=20049/1025	07/15/77	90	2612	3138N 07416E	54.2	96.7	GGGF			160	38
2905-04342	00000/0000 2=20049/1026	07/15/77	90	2612	3012N 07382E	54.1	94.5	FFFF			160	39
2905-04345	00000/0000 2=20049/1027	07/15/77	50	2612	2846N 07327E	53.9	92.4	GGGG			160	40
2905-04351	00000/0000 2=20049/1028	07/15/77	80	2612	2721N 07303E	53.7	90.3	GGGF			160	41
2905-04354	00000/0000 2=20049/1029	07/15/77	90	2612	2555N 07239E	53.4	88.2	GGGF			160	42
2905-04360	00000/0000 2=20049/1030	07/15/77	80	2612	2429N 07217E	53.1	86.2	GGGF			160	43
2905-04363	00000/0000 2=20049/1031	07/15/77	60	2612	2303N 07154E	52.7	84.2	GGFG			160	44
2905-04365	00000/0000 2=20049/1032	07/15/77	60	2612	2137N 07132E	52.3	82.3	GGGF			160	45
2905-04372	00000/0000 2=20049/1033	07/15/77	70	2612	2010N 07111E	51.9	80.4	GGFF			160	46
2905-06124	00000/0000 2=20049/1034	07/15/77	50	2613	4720N 05350E	52.2	121.0	FGGF			178	27
2905-06130	00000/0000 2=20049/1035	07/15/77	80	2613	4555N 05315E	52.6	118.8	FFFF			178	28
2905-06133	00000/0000 2=20049/1036	07/15/77	90	2613	4430N 05242E	53.0	116.6	FGGG			178	29
2905-06135	00000/0000 2=20049/1037	07/15/77	70	2613	4304N 05210E	53.3	114.5	FFFF			178	30
2905-07514	00000/0000 2=20049/0803	07/15/77	90	2614	6116N 03550E	48.9	141.8	FFFF			196	17
2905-07521	00000/0000 2=20049/0804	07/15/77	70	2614	5954N 03448E	48.7	139.7	GGGG			196	18
2905-07523	00000/0000 2=20049/0805	07/15/77	60	2614	5831N 03351E	47.4	137.6	FGFF			196	19
2905-07530	00000/0000 2=20049/0806	07/15/77	60	2614	5708N 03258E	48.1	135.6	GGFF			196	20
2905-07532	00000/0000 2=20049/0807	07/15/77	90	2614	5545N 03208E	48.8	133.5	GFFF			196	21
2905-07535	00000/0000 2=20049/0808	07/15/77	90	2614	5421N 03121E	49.5	131.4	FFFF			196	22
2905-07541	00000/0000 2=20049/0809	07/15/77	90	2614	5257N 03036E	50.1	129.4	FFFF			196	23
2905-07544	00000/0000 2=20049/0810	07/15/77	90	2614	5133N 02954E	50.7	127.3	GGFF			196	24
2905-07550	00000/0000 2=20049/0811	07/15/77	80	2614	5008N 02914E	51.2	125.2	FFFF			196	25

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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OBSERVATION ID LISTING
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FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2905-07553	00000/0000	2-20049/0812	07/15/77	50	2614	4843N 02836E	51.7	123.1	GGGG			196	26
2905-07555	00000/0000	2-20049/0813	07/15/77	30	2614	4719N 02800E	52.2	121.0	GGGG			196	27
2905-07562	00000/0000	2-20049/0814	07/15/77	30	2614	4554N 02725E	58.6	118.8	GGGG			196	28
2906-02535	00000/0000	2-20049/0241	07/16/77	20	2625	4013N 10121E	53.7	110.1	G GG			143	22
2906-02542	00000/0000	2-20049/0244	07/16/77	10	2625	3848N 10053E	53.9	107.9	GGGG			143	33
2906-02544	00000/0000	2-20049/0245	07/16/77	10	2625	3723N 10025E	54.1	105.7	GGGG			143	34
2906-02551	00000/0000	2-20049/0246	07/16/77	10	2625	3557N 09958E	54.2	103.5	GGGG			143	35
2906-02553	00000/0000	2-20049/0247	07/16/77	10	2625	3432N 09931E	54.2	101.3	GGGG			143	36
2906-02560	00000/0000	2-20049/0248	07/16/77	20	2625	3306N 09906E	54.2	99.1	GGGG			143	37
2906-02562	00000/0000	2-20049/0249	07/16/77	40	2625	3141N 09841E	54.1	96.9	GGFG			143	38
2906-02565	00000/0000	2-20049/0250	07/16/77	40	2625	3015N 09816E	54.0	94.8	GGGG			143	39
2906-02571	00000/0000	2-20049/0251	07/16/77	90	2625	2848N 09751E	53.8	92.6	GGGG			143	40
2906-02574	00000/0000	2-20049/0252	07/16/77	90	2625	2722N 09728E	53.6	90.5	GGGG			143	41
2906-02580	00000/0000	2-20049/0253	07/16/77	80	2625	2556N 09705E	53.4	88.5	GGGG			143	42
2906-02585	00000/0000	2-20049/0254	07/16/77	90	2625	2303N 09620E	52.7	84.5	GGGG			143	44
2906-02592	00000/0000	2-20049/0255	07/16/77	90	2625	2137N 09558E	52.3	82.6	GGGG			143	45
2906-04364	00000/0000	2-20049/0242	07/16/77	30	2626	4138N 07600E	53.5	112.3	G G			161	31
2906-04371	00000/0000	2-20049/0256	07/16/77	10	2626	4012N 07530E	53.7	110.1	GGGG			161	32
2906-04373	00000/0000	2-20049/0257	07/16/77	50	2626	3846N 07501E	53.9	107.9	FGFG			161	33
2906-04380	00000/0000	2-20049/0258	07/16/77	30	2626	3721N 07432E	54.1	105.7	GGGG			161	34
2906-04382	00000/0000	2-20049/0259	07/16/77	50	2626	3555N 07405E	54.1	103.5	GGGG			161	35
2906-04385	00000/0000	2-20049/0260	07/16/77	90	2626	3429N 07339E	54.2	101.3	GGGG			161	36
2906-04403	00000/0000	2-20049/0261	07/16/77	90	2626	2847N 07200E	53.8	92.6	GGGG			161	40
2906-04405	00000/0000	2-20049/0262	07/16/77	90	2626	2721N 07137E	53.6	90.5	GGGG			161	41
2906-04412	00000/0000	2-20049/0263	07/16/77	90	2626	2555N 07114E	53.3	88.5	GGGG			161	42
2906-04414	00000/0000	2-20049/0264	07/16/77	90	2626	2429N 07051E	53.0	86.5	GGGG			161	43
2906-04421	00000/0000	2-20049/0265	07/16/77	90	2626	2303N 07029E	52.7	84.5	GGGG			161	44
2906-04423	00000/0000	2-20049/0266	07/16/77	90	2626	2137N 07007E	52.3	82.6	GGGG			161	45
2906-04430	00000/0000	2-20049/0243	07/16/77	60	2626	2010N 06946E	51.8	80.7	G GG			161	46
2906-06182	00000/0000	2-20049/0267	07/16/77	0	2627	4717N 05223E	52.1	121.0	GGGF			179	27
2906-06185	00000/0000	2-20049/0268	07/16/77	10	2627	4552N 05148E	52.5	113.9	GGFG			179	28
2906-06191	00000/0000	2-20049/0269	07/16/77	0	2627	4427N 05115E	52.9	116.7	GGFG			179	29
2906-06194	00000/0000	2-20049/0270	07/16/77	10	2627	4301N 05043E	53.2	114.5	FFFF			179	30
2906-07575	00000/0000	2-20049/0271	07/16/77	90	2628	5954N 03323E	46.5	139.7	FGFF			197	18
2906-07582	00000/0000	2-20049/0272	07/16/77	100	2628	5831N 03225E	47.3	137.7	FFFF			197	19
2906-07584	00000/0000	2-20049/0273	07/16/77	80	2628	5708N 03132E	48.0	135.6	FFFF			197	20

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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LANDSAT#2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0032

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2906-07591	00000/0000	2-20049/0274	07/16/77	50	2628	5545N 03042E	48.7	133.6	FGGG			197	21
2906-07593	00000/0000	2-20049/0275	07/16/77	40	2628	5421N 02954E	49.3	131.5	GGGG			197	22
2906-08000	00000/0000	2-20049/0276	07/16/77	40	2628	5257N 02910E	49.9	129.5	GGGG			197	23
2906-08002	00000/0000	2-20049/0277	07/16/77	40	2628	5133N 02828E	50.5	127.4	GGGG			197	24
2906-08005	00000/0000	2-20049/0278	07/16/77	50	2628	5008N 02748E	51.1	125.3	GGGG			197	25
2906-08011	00000/0000	2-20049/0279	07/16/77	50	2628	4844N 02710E	51.6	123.2	GGGG			197	26
2906-08014	00000/0000	2-20049/0280	07/16/77	50	2628	4719N 02634E	52.0	121.1	GGGG			197	27
2906-08020	00000/0000	2-20049/0281	07/16/77	60	2628	4554N 02589E	52.5	118.9	GGGG			197	28
2906-08023	00000/0000	2-20049/0282	07/16/77	30	2628	4429N 02526E	52.9	116.8	GGGG			197	29
2907-02591	00000/0000	2-20049/0703	07/17/77	80	2639	4138N 10024E	53.4	112.5	F FF			144	31
2907-02593	00000/0000	2-20049/0704	07/17/77	90	2639	4012N 09954E	53.6	110.3	G GG			144	32
2907-03000	00000/0000	2-20049/0708	07/17/77	90	2639	3847N 09925E	53.8	108.1	GGGG			144	33
2907-03002	00000/0000	2-20049/0706	07/17/77	80	2639	3722N 09857E	53.9	105.9	GGGG			144	34
2907-03005	00000/0000	2-20049/0707	07/17/77	70	2639	3556N 09831E	54.0	103.7	GGGG			144	35
2907-03011	00000/0000	2-20049/0708	07/17/77	90	2639	3432N 09804E	54.1	101.5	GGGG			144	36
2907-03014	00000/0000	2-20049/0709	07/17/77	90	2639	3306N 09739E	54.1	99.3	GGGG			144	37
2907-03025	00000/0000	2-20049/0710	07/17/77	90	2639	2849N 09626E	53.7	92.9	GGGG			144	40
2907-03032	00000/0000	2-20049/0711	07/17/77	90	2639	2723N 09602E	53.5	90.8	GGGG			144	41
2907-03034	00000/0000	2-20049/0712	07/17/77	90	2639	2557N 09539E	53.3	88.7	GGGG			144	42
2907-03041	00000/0000	2-20049/0713	07/17/77	90	2639	2430N 09516E	53.0	86.7	GGGG			144	43
2907-03043	00000/0000	2-20049/0714	07/17/77	80	2639	2304N 09453E	52.6	84.7	GGGG			144	44
2907-03050	00000/0000	2-20049/0715	07/17/77	70	2639	2138N 09431E	52.2	82.8	GGGG			144	45
2907-03052	00000/0000	2-20049/0716	07/17/77	70	2639	2011N 09410E	51.8	81.0	GGGG			144	46
2907-04432	00000/0000	2-20049/0717	07/17/77	40	2640	3847N 07337E	53.8	108.1	GGGG			162	33
2907-04434	00000/0000	2-20049/0718	07/17/77	10	2640	3721N 07308E	53.9	105.9	GGGG			162	34
2907-04441	00000/0000	2-20049/0719	07/17/77	30	2640	3556N 07241E	54.0	103.7	GGGG			162	35
2907-04443	00000/0000	2-20049/0720	07/17/77	70	2640	3430N 07215E	54.1	101.5	GGGG			162	36
2907-04450	00000/0000	2-20049/0721	07/17/77	90	2640	3305N 07149E	54.1	99.3	GGGG			162	37
2907-04452	00000/0000	2-20049/0722	07/17/77	90	2640	3139N 07124E	54.0	97.2	GGGG			162	38
2907-04455	00000/0000	2-20049/0723	07/17/77	90	2640	3013N 07089E	53.9	95.0	GGGG			162	39
2907-04461	00000/0000	2-20049/0724	07/17/77	20	2640	2847N 07035E	53.7	92.9	GGGG			162	40
2907-04464	00000/0000	2-20049/0725	07/17/77	20	2640	2721N 07012E	53.5	90.8	GGGG			162	41
2907-04470	00000/0000	2-20049/0726	07/17/77	50	2640	2556N 06949E	53.3	88.7	FFFF			162	42
2907-04482	00000/0000	2-20049/0727	07/17/77	80	2640	2137N 06842E	52.2	82.8	GGGG			162	45
2907-06240	00000/0000	2-20049/0728	07/17/77	70	2641	4716N 05056E	51.9	121.1	GGGG			180	27
2907-06243	00000/0000	2-20049/0729	07/17/77	90	2641	4551N 05022E	52.3	119.0	GGGG			180	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0033

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2907-20012	00000/0000	2-20049/0291	07/17/77	80	2649	7530N 12606W	35.5	171.9	GGGG			74	6
2907-20015	00000/0000	2-20049/0292	07/17/77	60	2649	7419N 12929W	36.5	167.9	GGGG			74	7
2907-20021	00000/0000	2-20049/0293	07/17/77	10	2649	7307N 13225W	38.5	164.4	GGGG			74	8
2907-20024	00000/0000	2-20049/0294	07/17/77	10	2649	7152N 13500W	38.5	161.2	GGGG			73	9
2907-20030	00000/0000	2-20049/0295	07/17/77	10	2649	7036N 13715W	39.4	158.3	GGGG			73	10
2907-21423	00000/0000	2-20049/0283	07/17/77	30	2650	8010N 12437W	30.4	201.5	GGGG			93	1
2907-21430	00000/0000	2-20049/0284	07/17/77	30	2650	7927N 13131W	31.4	193.8	GGGG			93	2
2907-21432	00000/0000	2-20049/0285	07/17/77	10	2650	7836N 13806W	32.5	187.2	GGGG			92	3
2907-21435	00000/0000	2-20049/0286	07/17/77	10	2650	7738N 14329W	33.5	181.4	GGGG			92	4
2907-21441	00000/0000	2-20049/0287	07/17/77	10	2650	7636N 14804W	34.5	176.3	GGGG			92	5
2907-21444	00000/0000	2-20049/0288	07/17/77	10	2650	7529N 15200W	35.5	171.8	GGGG			92	6
2907-21450	00000/0000	2-20049/0289	07/17/77	70	2650	7419N 15523W	36.5	167.9	GGGG			92	7
2907-21453	00000/0000	2-20049/0290	07/17/77	60	2650	7306N 15818W	37.5	164.4	GGGG			92	8
2908-03043	00000/0000	2-20049/0120	07/18/77	0	2653	4303N 09929E	52.9	114.9	GG G			145	30
2908-03045	00000/0000	2-20049/0119	07/18/77	0	2653	4138N 09858E	53.2	112.7	F GG			145	31
2908-03052	00000/0000	2-20049/0121	07/18/77	10	2653	4013N 09829E	53.5	110.5	GGGG			145	32
2908-03054	00000/0000	2-20049/0122	07/18/77	50	2653	3847N 09800E	53.7	108.3	GGGG			145	33
2908-03061	00000/0000	2-20049/0123	07/18/77	50	2653	3722N 09732E	53.8	106.1	FFFF			145	34
2908-03063	00000/0000	2-20049/0124	07/18/77	60	2653	3557N 09705E	53.9	103.9	FFFF			145	35
2908-03070	00000/0000	2-20049/0125	07/18/77	90	2653	3432N 09638E	54.0	101.7	GGGG			145	36
2908-03072	00000/0000	2-20049/0126	07/18/77	80	2653	3306N 09612E	54.0	99.6	GGGG			145	37
2908-03075	00000/0000	2-20049/0127	07/18/77	90	2653	3140N 09547E	53.9	97.4	GGGG			145	38
2908-03081	00000/0000	2-20049/0128	07/18/77	90	2653	3015N 09523E	53.8	95.3	GGGG			145	39
2908-03084	00000/0000	2-20049/0129	07/18/77	90	2653	2849N 09489E	53.7	93.1	GGGG			145	40
2908-03090	00000/0000	2-20049/0130	07/18/77	80	2653	2723N 09435E	53.5	91.0	GGGG			145	41
2908-03093	00000/0000	2-20049/0131	07/18/77	70	2653	2557N 09412E	53.2	89.0	GGGG			145	42
2908-03095	00000/0000	2-20049/0132	07/18/77	90	2653	2431N 09350E	52.9	87.0	GGGG			145	43
2908-03102	00000/0000	2-20049/0133	07/18/77	70	2653	2305N 09328E	52.6	85.0	GGGG			145	44
2908-03104	00000/0000	2-20049/0134	07/18/77	60	2653	2139N 09306E	52.2	83.1	GGGG			145	45
2908-03111	00000/0000	2-20049/0135	07/18/77	30	2653	2012N 09244E	51.7	81.2	GGGG			145	46
2908-03113	00000/0000	2-20049/0136	07/18/77	30	2653	1845N 09222E	51.2	79.4	GF GG			145	47
2908-04481	00000/0000	2-20049/0137	07/18/77	40	2654	4137N 07308E	53.2	112.7	GGGG			163	21
2908-04483	00000/0000	2-20049/0138	07/18/77	30	2654	4012N 07238E	53.5	110.5	GGGG			163	32
2908-04490	00000/0000	2-20049/0139	07/18/77	40	2654	3847N 07209E	53.7	108.3	GGGG			163	33
2908-04492	00000/0000	2-20049/0140	07/18/77	30	2654	3721N 07141E	53.8	106.1	GGGG			163	34
2908-04495	00000/0000	2-20049/0141	07/18/77	20	2654	3557N 07114E	53.9	103.9	GGGG			163	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0034

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2908-04501	00000/0000	2-20049/0148	07/18/77	30	2654	3431N 07048E	54.0	101.7	GGGG			163	36
2908-04522	00000/0000	2-20049/0149	07/18/77	20	2654	2721N 06846E	53.4	91.1	FFFF			163	41
2908-04524	00000/0000	2-20049/0144	07/18/77	10	2654	2553N 06823E	53.2	89.0	FFFF			163	42
2908-04531	00000/0000	2-20049/0143	07/18/77	20	2654	2430N 06759E	52.9	87.0	FFFF			163	43
2908-04533	00000/0000	2-20049/0146	07/18/77	50	2654	2303N 06737E	52.5	85.0	PFGG			163	44
2908-16474	00000/0000	2-20049/0298	07/18/77	90	2661	5257N 10246N	49.6	129.7	GGGG			38	23
2908-16480	00000/0000	2-20049/0297	07/18/77	80	2661	5133N 10328N	50.1	127.6	GGFG			38	24
2908-20073	00000/0000	2-20049/0021	07/18/77	60	2663	7420N 13059N	36.3	167.9	GGGG			75	7
2908-20075	00000/0000	2-20049/0022	07/18/77	70	2663	7307N 13355N	37.3	164.4	GGGG			75	8
2908-20082	00000/0000	2-20049/0023	07/18/77	40	2663	7153N 13629N	38.3	161.2	GGGG			75	9
2909-03094	00000/0000	2-20049/0345	07/19/77	10	2667	4429N 09834E	52.4	117.2	FFFF			146	29
2909-03101	00000/0000	2-20049/0346	07/19/77	40	2667	4304N 09803E	52.8	115.0	FFFF			146	30
2909-03115	00000/0000	2-20049/0347	07/19/77	90	2667	3723N 09606E	53.7	106.4	FFFF			146	34
2909-03121	00000/0000	2-20049/0348	07/19/77	90	2667	3558N 09538E	53.8	104.2	FFFF			146	35
2909-03124	00000/0000	2-20049/0349	07/19/77	90	2667	3433N 09512E	53.9	102.0	FFFF			146	36
2909-03130	00000/0000	2-20049/0350	07/19/77	90	2667	3307N 09447E	53.9	99.8	GGGG			146	37
2909-03133	00000/0000	2-20049/0351	07/19/77	90	2667	3141N 09422E	53.8	97.7	GGGG			146	38
2909-03135	00000/0000	2-20049/0352	07/19/77	90	2667	3015N 09388E	53.7	95.5	GGGG			146	39
2909-03142	00000/0000	2-20049/0353	07/19/77	90	2667	2849N 09333E	53.6	93.4	FFFF			146	40
2909-03144	00000/0000	2-20049/0354	07/19/77	90	2667	2723N 09309E	53.4	91.3	FFFF			146	41
2909-03151	00000/0000	2-20049/0355	07/19/77	90	2667	2557N 09246E	53.1	89.3	FFFF			146	42
2909-03165	00000/0000	2-20049/0356	07/19/77	30	2667	2012N 09117E	51.7	81.5	GGGF			146	46
2909-03171	00000/0000	2-20049/0357	07/19/77	30	2667	1846N 09086E	51.2	79.7	GGGG			146	47
2909-03174	00000/0000	2-20049/0358	07/19/77	20	2667	1720N 09030E	50.7	77.9	GGGF			146	48
2909-04494	00000/0000	2-20049/0323	07/19/77	10	2668	5543N 07801E	48.2	133.7	GGGG			164	21
2909-04500	00000/0000	2-20049/0324	07/19/77	10	2668	5419N 07714E	48.9	131.7	GGGG			164	22
2909-04503	00000/0000	2-20049/0325	07/19/77	20	2668	5255N 07685E	49.5	129.7	GGGG			164	23
2909-04505	00000/0000	2-20049/0326	07/19/77	20	2668	5131N 07547E	50.1	127.6	GGGG			164	24
2909-04512	00000/0000	2-20049/0327	07/19/77	20	2668	5007N 07508E	50.6	125.6	GGGG			164	25
2909-04514	00000/0000	2-20049/0328	07/19/77	30	2668	4843N 07429E	51.1	123.5	GGGG			164	26
2909-04521	00000/0000	2-20049/0329	07/19/77	10	2668	4718N 07383E	51.6	121.4	GGGG			164	27
2909-04523	00000/0000	2-20049/0330	07/19/77	0	2668	4553N 07319E	52.0	119.3	GGGG			164	28
2909-04530	00000/0000	2-20049/0331	07/19/77	0	2668	4428N 07244E	52.4	117.2	FFFF			164	29
2909-04532	00000/0000	2-20049/0332	07/19/77	0	2668	4303N 07214E	52.8	115.0	FFFF			164	30
2909-04535	00000/0000	2-20049/0333	07/19/77	10	2668	4138N 07143E	53.1	112.9	GGGG			164	31
2909-04541	00000/0000	2-20049/0334	07/19/77	10	2668	4012N 07113E	53.3	110.7	GGGG			164	32

KEYS: CLOUD COVER % C TO 100 = % CLOUD COVER
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0035

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV. AZIN.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2909-04544	00000/0000	2-20049/0359	07/19/77	10	2668	3847N 07044E	53.5 108.5	GGGG			164	33
2909-04550	00000/0000	2-20049/0360	07/19/77	10	2668	3723N 07016E	53.7 106.4	GGGG			164	34
2909-04553	00000/0000	2-20049/0361	07/19/77	10	2668	3557N 06949E	53.8 104.2	GGGG			164	35
2909-04555	00000/0000	2-20049/0362	07/19/77	10	2668	3431N 06922E	53.8 102.0	FFFF			164	36
2909-04562	00000/0000	2-20049/0363	07/19/77	10	2668	3306N 06856E	53.8 99.8	FFGG			164	37
2909-04564	00000/0000	2-20049/0364	07/19/77	10	2668	3139N 06832E	53.8 97.7	GGGG			164	38
2909-04571	00000/0000	2-20049/0365	07/19/77	20	2668	3014N 06807E	53.7 95.5	GGGG			164	39
2909-04573	00000/0000	2-20049/0366	07/19/77	10	2668	2847N 06743E	53.6 93.4	GGGG			164	40
2909-04580	00000/0000	2-20049/0367	07/19/77	10	2668	2721N 06720E	53.4 91.3	GGGG			164	41
2909-04582	00000/0000	2-20049/0368	07/19/77	10	2668	2555N 06657E	53.1 89.3	GGGG			164	42
2909-04585	00000/0000	2-20049/0369	07/19/77	10	2668	2429N 06635E	52.8 87.3	PFFF			164	43
2909-04591	00000/0000	2-20049/0370	07/19/77	20	2668	2303N 06612E	52.5 85.3	FFFF			164	44
2909-04594	00000/0000	2-20049/0371	07/19/77	90	2668	2137N 06580E	52.1 83.4	GGGG			164	45
2909-05000	00000/0000	2-20049/0372	07/19/77	90	2668	2011N 06529E	51.7 81.5	GGGG			164	46
2909-06323	00000/0000	2-20049/0298	07/19/77	70	2669	5705N 05300E	47.5 135.7	GGGG			182	20
2909-06325	00000/0000	2-20049/0299	07/19/77	80	2669	5542N 05210E	48.2 133.7	GGGG			182	21
2909-06332	00000/0000	2-20049/0300	07/19/77	90	2669	5418N 05123E	48.9 131.7	GGGG			182	22
2909-06334	00000/0000	2-20049/0301	07/19/77	80	2669	5254N 05039E	49.5 129.7	GGGG			182	23
2909-06341	00000/0000	2-20049/0302	07/19/77	80	2669	5131N 04957E	50.1 127.6	GGGG			182	24
2909-06343	00000/0000	2-20049/0303	07/19/77	100	2669	5006N 04917E	50.6 125.6	GGGG			182	25
2909-06350	00000/0000	2-20049/0304	07/19/77	100	2669	4842N 04839E	51.1 123.6	GGGG			182	26
2909-06352	00000/0000	2-20049/0305	07/19/77	50	2669	4717N 04804E	51.6 121.4	GGGG			182	27
2909-06355	00000/0000	2-20049/0306	07/19/77	0	2669	4552N 04729E	52.0 119.3	GGGG			182	28
2909-06361	00000/0000	2-20049/0307	07/19/77	20	2669	4427N 04686E	52.4 117.2	GGGG			182	29
2910-03120	00000/0000	2-20049/0308	07/20/77	10	2681	5544N 10223E	48.0 133.8	GGGG			147	21
2910-03123	00000/0000	2-20049/0309	07/20/77	10	2681	5420N 10136E	48.7 131.8	GGGG			147	22
2910-03125	00000/0000	2-20049/0310	07/20/77	70	2681	5256N 10052E	49.3 129.8	GGGG			147	23
2910-03152	00000/0000	2-20049/0818	07/20/77	80	2681	4429N 09710E	52.3 117.4	GGGG			147	29
2910-03155	00000/0000	2-20049/0816	07/20/77	50	2681	4305N 09638E	52.6 115.2	GGGG			147	30
2910-03161	00000/0000	2-20049/0817	07/20/77	40	2681	4140N 09608E	52.9 113.1	GGGG			147	31
2910-03164	00000/0000	2-20049/0818	07/20/77	10	2681	4014N 09538E	53.2 110.9	GGGG			147	32
2910-03170	00000/0000	2-20049/0819	07/20/77	10	2681	3849N 09509E	53.4 108.8	GGGG			147	33
2910-03173	00000/0000	2-20049/0820	07/20/77	30	2681	3724N 09441E	53.6 106.6	GGGG			147	34
2910-03175	00000/0000	2-20049/0821	07/20/77	70	2681	3559N 09414E	53.7 104.4	GGGG			147	35
2910-03182	00000/0000	2-20049/0822	07/20/77	50	2681	3433N 09388E	53.7 102.2	GGGG			147	36
2910-03184	00000/0000	2-20049/0823	07/20/77	90	2681	3307N 09322E	53.7 100.1	GGGG			147	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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07:04 SEP 15, '77

LANDSAT#2
OBSERVATION ID LISTING
FOR NON-UR
FROM 08/01/77 TO 08/31/77

PAGE 0036

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2910-03191	00000/0000	2-20049/0824	07/20/77	90	2681	3141N	09247E	53.7	97.9	GF08		147	38
2910-03193	00000/0000	2-20049/0825	07/20/77	90	2681	3016N	09232E	53.6	95.8	GGGG		147	39
2910-03200	00000/0000	2-20049/0826	07/20/77	90	2681	2849N	09208E	53.5	93.7	GGGG		147	40
2910-03202	00000/0000	2-20049/0827	07/20/77	70	2681	2723N	09144E	53.3	91.6	F		147	41
2910-03205	00000/0000	2-20049/0828	07/20/77	40	2681	2557N	09121E	53.0	89.6	GF08		147	42
2910-03211	00000/0000	2-20049/0829	07/20/77	50	2681	2432N	09058E	52.8	87.6	GF08		147	43
2910-03214	00000/0000	2-20049/0830	07/20/77	40	2681	2306N	09036E	52.4	85.6	FGFF		147	44
2910-03220	00000/0000	2-20049/0831	07/20/77	50	2681	2139N	09014E	52.1	83.7	GGFF		147	45
2910-03223	00000/0000	2-20049/0832	07/20/77	40	2681	2013N	08952E	51.6	81.8	GGGG		147	46
2910-03225	00000/0000	2-20049/0833	07/20/77	40	2681	1847N	08930E	51.2	80.0	GGGG		147	47
2910-05011	00000/0000	2-20049/0834	07/20/77	0	2682	3556N	06823E	53.7	104.4	GGGG		165	35
2910-05013	00000/0000	2-20049/0835	07/20/77	0	2682	3430N	06757E	53.7	102.2	GGGG		165	36
2910-05020	00000/0000	2-20049/0836	07/20/77	10	2682	3305N	06732E	53.7	100.1	GGGG		165	37
2910-05022	00000/0000	2-20049/0837	07/20/77	0	2682	3139N	06707E	53.7	97.9	GGGG		165	38
2910-05025	00000/0000	2-20049/0838	07/20/77	0	2682	3013N	06643E	53.6	95.8	GGGG		165	39
2910-05031	00000/0000	2-20049/0839	07/20/77	0	2682	2847N	06619E	53.5	93.7	GGGF		165	40
2910-05034	00000/0000	2-20049/0840	07/20/77	0	2682	2722N	06585E	53.3	91.6	GGGG		165	41
2910-05040	00000/0000	2-20049/0841	07/20/77	0	2682	2556N	06532E	53.0	89.6	GGGF		165	42
2910-05043	00000/0000	2-20049/0842	07/20/77	10	2682	2430N	06509E	52.8	87.6	GGGF		165	43
2910-05045	00000/0000	2-20049/0843	07/20/77	20	2682	2304N	06447E	52.4	85.6	GGGF		165	44
2910-05052	00000/0000	2-20049/0844	07/20/77	40	2682	2138N	06424E	52.0	83.7	GGGF		165	45
2910-06401	00000/0000	2-20049/0049	07/20/77	50	2683	5006N	04752E	50.4	125.7	FGGG		183	25
2910-06404	00000/0000	2-20049/0050	07/20/77	30	2683	4841N	04714E	51.0	123.7	GGGG		183	26
2910-06410	00000/0000	2-20049/0051	07/20/77	20	2683	4717N	04638E	51.4	121.6	GGGG		183	27
2910-06413	00000/0000	2-20049/0052	07/20/77	10	2683	4552N	04603E	51.9	119.5	GGGG		183	28
2910-06415	00000/0000	2-20049/0053	07/20/77	30	2683	4427N	04530E	52.3	117.4	GGGG		183	29
2910-06422	00000/0000	2-20049/0054	07/20/77	70	2683	4302N	04458E	52.6	115.2	GGGG		183	30
2910-06433	00000/0000	2-20049/0055	07/20/77	0	2683	3847N	04329E	53.4	108.8	GGGG		183	33
2910-08210	00000/0000	2-20049/0056	07/20/77	80	2684	5828N	02639E	46.6	137.8	GGGG		201	19
2910-08213	00000/0000	2-20049/0057	07/20/77	70	2684	5705N	02545E	47.3	135.8	GGGG		201	20
2910-08215	00000/0000	2-20049/0058	07/20/77	50	2684	5542N	02485E	48.0	133.8	GF08		201	21
2910-08222	00000/0000	2-20049/0059	07/20/77	40	2684	5418N	02408E	48.7	131.8	FFGF		201	22
2910-08224	00000/0000	2-20049/0060	07/20/77	40	2684	5254N	02324E	49.3	129.8	GGGG		201	23
2910-08231	00000/0000	2-20049/0061	07/20/77	40	2684	5130N	02242E	49.9	127.7	GGGG		201	24
2910-08233	00000/0000	2-20049/0062	07/20/77	60	2684	5006N	02202E	50.4	125.7	GGGG		201	25
2910-08240	00000/0000	2-20049/0063	07/20/77	30	2684	4841N	02124E	51.0	123.6	GGGG		201	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2910-16163	00000/0000	2=20049/0322	07/20/77	70	2688	5006N	08110W	50.4	125.8	GGGG			22	25
2910-16574	00000/0000	2=20049/0316	07/20/77	40	2689	5706N	10318W	47.2	135.8	GGGG			40	20
2910-16581	00020/0000	2=20049/0317	07/20/77	50	2689	5542N	10408W	47.9	133.8	GFFG			40	21
2910-16583	00000/0000	2=20049/0318	07/20/77	50	2689	5419N	10435W	48.6	131.8	GGGG			40	22
2910-16590	00000/0000	2=20049/0319	07/20/77	40	2689	5255N	10539W	49.2	129.8	GGGG			40	23
2910-16592	00000/0000	2=20049/0320	07/20/77	20	2689	5131N	10621W	49.8	127.8	GGGG			40	24
2910-17054	00000/0000	2=20049/0321	07/20/77	0	2689	3013N	11400W	53.6	95.9	GGGG			40	39
2910-18403	00000/0000	2=20049/0311	07/20/77	90	2690	5831N	12813W	46.5	137.9	FGGG			58	19
2910-18421	00000/0000	2=20049/0312	07/20/77	50	2690	5257N	13127W	49.2	129.9	FGGF			58	23
2910-18424	00000/0000	2=20049/0313	07/20/77	80	2690	5133N	13209W	49.8	127.9	FGGG			58	24
2910-20192	00000/0000	2=20049/0314	07/20/77	0	2691	7308N	13646W	36.9	164.4	FGGG			77	8
2910-20194	00000/0000	2=20049/0315	07/20/77	10	2691	7153N	13920W	37.9	161.2	FFGG			77	9
2911-03201	00000/0000	2=20049/1120	07/21/77	50	2695	4719N	09650E	51.3	121.7	FFFF			148	27
2911-03204	00000/0000	2=20049/1121	07/21/77	30	2695	4554N	09616E	51.7	119.7	FFFF			148	28
2911-03210	00000/0000	2=20049/1122	07/21/77	20	2695	4430N	09543E	52.1	117.6	GGGF			148	29
2911-03213	00000/0000	2=20049/1123	07/21/77	80	2695	4305N	09511E	52.5	115.4	GFGF			148	30
2911-03215	00000/0000	2=20049/1124	07/21/77	90	2695	4140N	09440E	52.8	113.3	GQFF			148	31
2911-03222	00000/0000	2=20049/1125	07/21/77	90	2695	4015N	09410E	53.1	111.2	GGGF			148	32
2911-03224	00000/0000	2=20049/1126	07/21/77	90	2695	3850N	09342E	53.3	109.0	GFG			148	33
2911-03231	00000/0000	2=20049/1127	07/21/77	90	2695	3724N	09314E	53.4	106.8	GFGF			148	34
2911-03240	00000/0000	2=20049/1128	07/21/77	90	2695	3433N	09221E	53.6	102.5	GFGF			148	36
2911-03242	00000/0000	2=20049/1129	07/21/77	70	2695	3307N	09186E	53.6	100.3	GQGF			148	37
2911-03245	00000/0000	2=20049/1130	07/21/77	90	2695	3142N	09130E	53.6	98.2	GFGF			148	38
2911-03251	00000/0000	2=20049/1131	07/21/77	90	2695	3016N	09105E	53.5	96.1	GQGF			148	39
2911-03254	00000/0000	2=20049/1132	07/21/77	90	2695	2849N	09042E	53.4	94.0	GFGF			148	40
2911-03260	00000/0000	2=20049/1133	07/21/77	90	2695	2723N	09018E	53.2	91.9	GGGG			148	41
2911-03263	00000/0000	2=20049/1134	07/21/77	90	2695	2558N	08955E	53.0	89.9	GGGG			148	42
2911-03265	00000/0000	2=20049/1135	07/21/77	80	2695	2431N	08933E	52.7	87.9	GQGF			148	43
2911-03272	00000/0000	2=20049/1136	07/21/77	70	2695	2305N	08910E	52.4	85.9	GQFG			148	44
2911-03274	00000/0000	2=20049/1137	07/21/77	70	2695	2140N	08848E	52.0	84.0	GQGF			148	45
2911-03281	00000/0000	2=20049/1138	07/21/77	70	2695	2013N	08826E	51.6	82.1	FFFF			148	46
2911-03283	00000/0000	2=20049/1139	07/21/77	60	2695	1847N	08804E	51.1	80.3	FFGF			148	47
2911-03290	00000/0000	2=20049/1140	07/21/77	60	2695	1721N	08743E	50.6	78.5	FFFF			148	48
2911-03292	00000/0000	2=20049/1141	07/21/77	70	2695	1555N	08722E	50.1	76.8	GQFG			148	49
2911-03295	00000/0000	2=20049/1142	07/21/77	70	2695	1428N	08701E	49.5	75.2	GQGF			148	50
2911-05065	00000/0000	2=20049/1143	07/21/77	0	2696	3556N	06657E	53.5	104.7	GGGG			166	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2911-05071	00000/0000	2-20049/1144	07/21/77	0	2696	3431N 06631E	53.6	102.5	FGGF			166	36
2911-05074	00000/0000	2-20049/1145	07/21/77	0	2696	3305N 06605E	53.6	100.4	FFGF			166	37
2911-05080	00000/0000	2-20049/1146	07/21/77	0	2696	3139N 06540E	53.6	98.2	GGGF			166	38
2911-05083	00000/0000	2-20049/1147	07/21/77	0	2696	3013N 06516E	53.5	96.1	FFFF			166	39
2911-05085	00000/0000	2-20049/1148	07/21/77	10	2696	2848N 06482E	53.4	94.0	GGGG			166	40
2911-05092	00000/0000	2-20049/1149	07/21/77	10	2696	2722N 06428E	53.2	91.9	FGGF			166	41
2911-05094	00000/0000	2-20049/1150	07/21/77	10	2696	2556N 06405E	53.0	89.9	GGGF			166	42
2911-05101	00000/0000	2-20049/1151	07/21/77	60	2696	2431N 06343E	52.7	87.9	GGGF			166	43
2911-05103	00000/0000	2-20049/1152	07/21/77	50	2696	2304N 06320E	52.4	85.9	GGGF			166	44
2911-05110	00000/0000	2-20049/1153	07/21/77	50	2696	2139N 06298E	52.0	84.0	FFFF			166	45
2911-15221	00000/0000	2-20049/0845	07/21/77	90	2702	5006N 08237W	50.2	125.9	GGGG			23	25
2911-16594	00000/0000	2-20049/0335	07/21/77	70	2703	6918N 09321W	39.6	155.5	GGGG			41	11
2911-17001	00000/0000	2-20049/0336	07/21/77	80	2703	6759N 09508W	40.5	153.0	GGGG			41	12
2911-17003	00000/0000	2-20049/0337	07/21/77	70	2703	6639N 09645W	41.4	150.6	GGGG			41	13
2911-17010	00000/0000	2-20049/0338	07/21/77	60	2703	6519N 09812W	42.3	148.3	GGGG			41	14
2911-17012	00000/0000	2-20049/0339	07/21/77	50	2703	6358N 09931W	43.2	146.2	GGGG			41	15
2911-17015	00000/0000	2-20049/0340	07/21/77	40	2703	6237N 10044W	44.0	144.0	GGGG			41	16
2911-17021	00000/0000	2-20049/0341	07/21/77	30	2703	6114N 10180W	44.8	142.0	PPPP			41	17
2911-17024	00000/0000	2-20049/0342	07/21/77	40	2703	5952N 10252W	45.6	139.9	FFGF			41	18
2911-17030	00000/0000	2-20049/0343	07/21/77	40	2703	5829N 10349W	46.3	137.9	GGGG			41	19
2911-17033	00000/0000	2-20049/0560	07/21/77	30	2703	5706N 10442W	47.1	135.9	GGGG			41	20
2911-17035	00000/0000	2-20049/0561	07/21/77	10	2703	5542N 10532W	47.7	133.9	GGGG			41	21
2911-17042	00000/0000	2-20049/0562	07/21/77	10	2703	5419N 10619W	48.4	131.9	GGGG			41	22
2911-17044	00000/0000	2-20049/0563	07/21/77	0	2703	5255N 10703W	49.0	129.9	GGGG			41	23
2911-17051	00000/0000	2-20049/0564	07/21/77	10	2703	5130N 10745W	49.6	127.9	GGGG			41	24
2911-17112	00000/0000	2-20049/0565	07/21/77	40	2703	3014N 11525W	53.5	96.2	GGGG			41	39
2911-20252	00000/0000	2-20049/0344	07/21/77	80	2705	7153N 14043W	37.7	161.2	GGGG			77	9
2911-22093	00000/0000	2-20049/0797	07/21/77	0	2706	6919N 17050W	39.6	155.6	GGGG			95	11
2912-03255	00000/0000	2-20049/0379	07/22/77	80	2709	4720N 09524E	51.1	121.9	GGGG			149	27
2912-03262	00000/0000	2-20049/0374	07/22/77	60	2709	4555N 09480E	51.6	119.8	FGGG			149	28
2912-03264	00000/0000	2-20049/0375	07/22/77	30	2709	4430N 09416E	52.0	117.8	FGGG			149	29
2912-03271	00000/0000	2-20049/0376	07/22/77	40	2709	4304N 09344E	52.3	115.6	GGGG			149	30
2912-03273	00000/0000	2-20049/0377	07/22/77	30	2709	4140N 09313E	52.6	113.5	GGGG			149	31
2912-03280	00000/0000	2-20049/0378	07/22/77	10	2709	4014N 09244E	52.9	111.4	GGGF			149	32
2912-03282	00000/0000	2-20049/0379	07/22/77	10	2709	3850N 09216E	53.1	109.2	GGFF			149	33
2912-03285	00000/0000	2-20049/0380	07/22/77	20	2709	3725N 09149E	53.3	107.1	GGGG			149	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM RBV	ROLL NO./ POSITION IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV. AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2912-03291	00000/0000	2=20049/0381	07/22/77	41	2709	3559N 09122E	53.4 104.9	GGGG			149	35
2912-03294	00000/0000	2=20049/0382	07/22/77	30	2709	3433N 09056E	53.5 102.8	GGGG			149	36
2912-03300	00000/0000	2=20049/0383	07/22/77	10	2709	3308N 09031E	53.5 100.6	GGGG			149	37
2912-03303	00000/0000	2=20049/0384	07/22/77	40	2709	3142N 09005E	53.5 98.5	GGGG			149	38
2912-03305	00000/0000	2=20049/0385	07/22/77	90	2709	3016N 08940E	53.4 96.4	GGGF			149	39
2912-03312	00000/0000	2=20049/0386	07/22/77	90	2709	2849N 08915E	53.3 94.3	FFGG			149	40
2912-03314	00000/0000	2=20049/0387	07/22/77	90	2709	2723N 08851E	53.1 92.2	GGGG			149	41
2912-03321	00000/0000	2=20049/0388	07/22/77	90	2709	2558N 08828E	52.9 90.2	GGGF			149	42
2912-03323	00000/0000	2=20049/0389	07/22/77	50	2709	2432N 08805E	52.6 88.2	GGGG			149	43
2912-03330	00000/0000	2=20049/0390	07/22/77	40	2709	2306N 08743E	52.3 86.2	GGGG			149	44
2912-03332	00000/0000	2=20049/0391	07/22/77	50	2709	2140N 08721E	51.9 84.3	GGGG			149	45
2912-03335	00000/0000	2=20049/0392	07/22/77	50	2709	2014N 08700E	51.5 82.4	GGGG			149	46
2912-03341	00000/0000	2=20049/0393	07/22/77	60	2709	1848N 08639E	51.1 80.6	GGGG			149	47
2912-03344	00000/0000	2=20049/0394	07/22/77	70	2709	1722N 08618E	50.6 78.9	GGGG			149	48
2912-03350	00000/0000	2=20049/0395	07/22/77	90	2709	1555N 08587E	50.1 77.2	GGFF			149	49
2912-03353	00000/0000	2=20049/0396	07/22/77	90	2709	1429N 08535E	49.5 75.5	GGFG			149	50
2912-05091	00000/0000	2=20049/0397	07/22/77	10	2710	4718N 06936E	51.1 121.9	GGGG			167	27
2912-05094	00000/0000	2=20049/0398	07/22/77	10	2710	4553N 06901E	51.6 119.8	GGGG			167	28
2912-05100	00000/0000	2=20049/0399	07/22/77	0	2710	4429N 06828E	52.0 117.8	GGFG			167	29
2912-05112	00000/0000	2=20049/0400	07/22/77	0	2710	4014N 06655E	52.9 111.4	GGGG			167	32
2912-05114	00000/0000	2=20049/0401	07/22/77	0	2710	3849N 06627E	53.1 109.2	GGGG			167	33
2912-05121	00000/0000	2=20049/0402	07/22/77	0	2710	3723N 06589E	53.3 107.1	GGFG			167	34
2912-05123	00000/0000	2=20049/0403	07/22/77	0	2710	3557N 06532E	53.4 104.9	GGGG			167	35
2912-05130	00000/0000	2=20049/0404	07/22/77	0	2710	3431N 06506E	53.5 102.8	GGGG			167	36
2912-05132	00000/0000	2=20049/0405	07/22/77	0	2710	3306N 06440E	53.5 100.6	GGGG			167	37
2912-05135	00000/0000	2=20049/0406	07/22/77	0	2710	3140N 06415E	53.5 98.5	GGGG			167	38
2912-05141	00000/0000	2=20049/0407	07/22/77	0	2710	3014N 06351E	53.4 96.4	GGGG			167	39
2912-05144	00000/0000	2=20049/0408	07/22/77	10	2710	2849N 06326E	53.3 94.3	GGGF			167	40
2912-05150	00000/0000	2=20049/0409	07/22/77	10	2710	2723N 06303E	53.1 92.2	GGGG			167	41
2912-17102	00000/0000	2=20049/0798	07/22/77	10	2717	5255N 10829W	48.9 130.1	GGGG			42	23
2912-17105	00000/0000	2=20049/0799	07/22/77	20	2717	5131N 10911W	49.5 128.1	GGGG			42	24
2912-18534	00000/0000	2=20049/0426	07/22/77	60	2718	5254N 13420W	48.8 130.1	GGGG			60	23
2912-20304	00000/0000	2=20049/0427	07/22/77	20	2719	7308N 13934W	36.5 164.4	GGGG			79	8
2912-20310	00000/0000	2=20049/0428	07/22/77	10	2719	7153N 14207W	37.5 161.2	GGGG			78	9
2913-03332	00000/0000	2=20049/0436	07/23/77	10	2723	4140N 09149E	52.5 113.8	GGFF			150	31
2913-03334	00000/0000	2=20049/0437	07/23/77	20	2723	4014N 09120E	52.8 111.6	FFFF			150	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER
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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2913-03352	00000/0000	2-20049/0438	07/23/77	20	2723	3433N	08931E	50.4	103.1	GGGG		150	36
2913-03370	00000/0000	2-20049/0439	07/23/77	80	2723	2350N	08781E	53.2	94.6	GGGF		150	40
2913-03373	00000/0000	2-20049/0440	07/23/77	80	2723	2724N	08727E	53.0	92.5	GGGG		150	41
2913-03375	00000/0000	2-20049/0441	07/23/77	40	2723	2558N	08704E	52.8	90.5	GGGG		150	42
2913-03382	00000/0000	2-20049/0442	07/23/77	50	2723	2432N	08641E	52.6	88.5	GGGG		150	43
2913-03384	00000/0000	2-20049/0443	07/23/77	60	2723	2306N	08619E	52.2	86.5	GGGG		150	44
2913-03391	00000/0000	2-20049/0444	07/23/77	40	2723	2140N	08587E	51.9	84.6	GGGF		150	45
2913-03393	00000/0000	2-20049/0445	07/23/77	60	2723	2014N	08536E	51.5	82.8	GGGG		150	46
2913-03400	00000/0000	2-20049/0446	07/23/77	90	2723	1848N	08515E	51.1	80.9	GGGF		150	47
2913-03402	00000/0000	2-20049/0447	07/23/77	90	2723	1722N	08483E	50.6	79.2	GGGF		150	48
2913-03405	00000/0000	2-20049/0448	07/23/77	90	2723	1556N	08432E	50.1	77.5	GGGF		150	49
2913-03411	00000/0000	2-20049/0449	07/23/77	90	2723	1429N	08412E	49.5	75.8	GGGF		150	50
2913-05161	00000/0000	2-20049/0450	07/23/77	40	2724	4305N	06630E	52.2	115.9	GGGG		168	30
2913-05163	00000/0000	2-20049/0451	07/23/77	20	2724	4140N	06589E	52.5	113.8	FGFF		168	31
2913-05170	00000/0000	2-20049/0452	07/23/77	0	2724	4015N	06530E	52.7	111.6	FFGF		168	32
2913-05172	00000/0000	2-20049/0453	07/23/77	0	2724	3849N	06501E	53.0	109.5	GGGF		168	33
2913-05175	00000/0000	2-20049/0454	07/23/77	0	2724	3724N	06433E	53.2	107.4	GGGG		168	34
2913-05181	00000/0000	2-20049/0455	07/23/77	0	2724	3559N	06406E	53.3	105.2	GGGG		168	35
2913-05184	00000/0000	2-20049/0456	07/23/77	0	2724	3432N	06340E	53.4	103.1	GGGG		168	36
2913-05190	00000/0000	2-20049/0457	07/23/77	0	2724	3306N	06314E	53.4	100.9	GGGG		168	37
2913-05193	00000/0000	2-20049/0458	07/23/77	0	2724	3141N	06249E	53.4	98.8	FGGG		168	38
2913-05195	00000/0000	2-20049/0459	07/23/77	10	2724	3016N	06224E	53.3	96.7	FGGF		168	39
2913-05202	00000/0000	2-20049/0460	07/23/77	10	2724	2845N	06200E	53.2	94.6	FGGF		168	40
2913-05204	00000/0000	2-20049/0461	07/23/77	0	2724	2724N	06136E	53.0	92.5	FGGF		168	41
2913-05211	00000/0000	2-20049/0462	07/23/77	30	2724	2558N	06113E	52.8	90.5	FFFF		168	42
2913-05213	00000/0000	2-20049/0463	07/23/77	30	2724	2432N	06050E	52.5	88.5	FFFF		168	43
2913-05220	00000/0000	2-20049/0464	07/23/77	40	2724	2306N	06028E	52.2	86.6	FFFF		168	44
2913-06554	00000/0000	2-20049/0465	07/23/77	20	2725	5544N	04628E	47.4	134.1	FFFF		186	21
2913-06560	00000/0000	2-20049/0466	07/23/77	10	2725	5420N	04541E	48.1	132.1	FFGF		186	22
2913-06563	00000/0000	2-20049/0467	07/23/77	10	2725	5256N	04457E	48.7	130.2	FFFF		186	23
2913-06565	00000/0000	2-20049/0468	07/23/77	10	2725	5132N	04415E	49.3	128.2	FFFF		186	24
2913-06572	00000/0000	2-20049/0469	07/23/77	10	2725	5007N	04335E	49.9	126.2	FFFF		186	25
2913-06574	00000/0000	2-20049/0470	07/23/77	10	2725	4843N	04287E	50.4	124.1	GGGG		186	26
2913-06581	00000/0000	2-20049/0471	07/23/77	0	2725	4718N	04221E	50.9	122.1	FFFF		186	27
2913-06583	00000/0000	2-20049/0472	07/23/77	0	2725	4553N	04146F	51.4	120.0	FFFF		186	28
2913-06590	00000/0000	2-20049/0473	07/23/77	10	2725	4428N	04113E	51.8	118.0	FFGF		186	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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PAGE 0041

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS MSS	MSS DATA	MSS IMAGE	ORBIT PATH	FRAME ROW
										123	45678	MODE	GAIN	NUMBER	NUMBER
2913-08383	00000/0000	2=20049/0474	07/23/77	80	2726	5707N	02128E	46.7	136.1	FFFF				204	20
2913-08385	00000/0000	2=20049/0475	07/23/77	70	2726	5543N	02037E	47.4	134.1	FFFF				204	21
2913-08392	00000/0000	2=20049/0476	07/23/77	80	2726	5419N	01950E	48.1	132.1	FFPF				204	22
2913-17154	00000/0000	2=20049/0429	07/23/77	40	2731	5420N	10912W	48.0	132.2	GGGG				43	22
2913-17160	00000/0000	2=20049/0430	07/23/77	30	2731	5256N	10956W	48.7	130.2	GGGG				43	23
2913-17163	00000/0000	2=20049/0431	07/23/77	10	2731	5132N	11038W	49.3	128.2	GFGG				43	24
2914-03363	00000/0000	2=20049/0479	07/24/77	50	2737	5006N	09346E	49.8	126.3	PGGG				151	25
2914-03365	00000/0000	2=20049/0480	07/24/77	20	2737	4842N	09308E	50.3	124.2	PGGG				151	26
2914-03372	00000/0000	2=20049/0481	07/24/77	10	2737	4717N	09232E	50.8	122.2	PGGG				151	27
2914-03374	00000/0000	2=20049/0482	07/24/77	20	2737	4552N	09157E	51.2	120.2	FGGG				151	28
2914-03381	00000/0000	2=20049/0483	07/24/77	10	2737	4427N	09124E	51.6	118.1	GFGG				151	29
2914-03383	00000/0000	2=20049/0484	07/24/77	10	2737	4303N	09052E	52.0	116.0	PGGG				151	30
2914-03390	00000/0000	2=20049/0485	07/24/77	60	2737	4138N	09021E	52.3	113.9	GGGG				151	31
2914-03392	00000/0000	2=20049/0486	07/24/77	40	2737	4012N	08951E	52.6	111.8	GGGG				151	32
2914-03395	00000/0000	2=20049/0487	07/24/77	30	2737	3847N	08923E	52.8	109.7	GGGG				151	33
2914-03401	00000/0000	2=20049/0488	07/24/77	40	2737	3722N	08855E	53.0	107.5	GGGG				151	34
2914-03404	00000/0000	2=20049/0489	07/24/77	60	2737	3556N	08828E	53.2	105.4	PGGG				151	35
2914-03413	00000/0000	2=20049/0490	07/24/77	80	2737	3305N	08736E	53.3	101.1	GGGG				151	37
2914-03415	00000/0000	2=20049/0491	07/24/77	90	2737	3140N	08711E	53.3	99.0	GGGG				151	38
2914-03422	00000/0000	2=20049/0492	07/24/77	80	2737	3013N	08647E	53.2	96.9	GGGG				151	39
2914-03424	00000/0000	2=20049/0493	07/24/77	80	2737	2847N	08624E	53.1	94.8	PGGG				151	40
2914-03431	00000/0000	2=20049/0494	07/24/77	90	2737	2722N	08600E	52.9	92.8	FGGG				151	41
2914-03433	00000/0000	2=20049/0495	07/24/77	80	2737	2556N	08537E	52.7	90.7	GGGG				151	42
2914-03440	00000/0000	2=20049/0496	07/24/77	70	2737	2430N	08515E	52.5	88.8	FGGG				151	43
2914-03442	00000/0000	2=20049/0497	07/24/77	80	2737	2304N	08483E	52.2	86.8	GGGG				151	44
2914-03445	00000/0000	2=20049/0498	07/24/77	90	2737	2137N	08430E	51.8	84.5	GGGG				151	45
2914-05201	00000/0000	2=20049/0499	07/24/77	40	2738	4844N	06719E	50.3	124.3	GGGG				169	26
2914-05203	00000/0000	2=20049/0500	07/24/77	10	2738	4720N	06643E	50.8	122.3	GGG				169	27
2914-05224	00000/0000	2=20049/0501	07/24/77	0	2738	4015N	06403E	52.6	111.9	FFGG				169	32
2914-05230	00000/0000	2=20049/0502	07/24/77	0	2738	3849N	06334E	52.8	109.8	GGGF				169	33
2914-05233	00000/0000	2=20049/0503	07/24/77	0	2738	3725N	06306E	53.0	107.6	GGGG				169	34
2914-05235	00000/0000	2=20049/0504	07/24/77	10	2738	3559N	06239E	53.2	105.5	GGGG				169	35
2914-05242	00000/0000	2=20049/0505	07/24/77	10	2738	3433N	06213E	53.2	103.4	GGGG				169	36
2914-05244	00000/0000	2=20049/0506	07/24/77	0	2738	3308N	06147E	53.3	101.2	GGGF				169	37
2914-05251	00000/0000	2=20049/0507	07/24/77	10	2738	3142N	06122E	53.3	99.1	GGGG				169	38
2914-05253	00000/0000	2=20049/0508	07/24/77	0	2738	3016N	06058E	53.2	97.0	GGGG				169	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2914-05260	00000/0000	2-20049/0509	07/24/77	0	2738	2850N	06034E	53.1	94.9	GGGG		169	40
2914-05262	00000/0000	2-20049/0510	07/24/77	0	2738	2725N	06010E	52.9	92.9	GGGF		169	41
2914-05265	00000/0000	2-20049/0511	07/24/77	10	2738	2558N	05948E	52.7	90.8	GGGF		169	42
2914-05271	00000/0000	2-20049/0512	07/24/77	10	2738	2433N	05925E	58.5	88.8	FGGF		169	43
2914-07012	00000/0000	2-20049/0519	07/24/77	50	2739	3544N	04501E	47.2	134.2	PPPP		187	21
2914-07014	00000/0000	2-20049/0520	07/24/77	70	2739	5420N	04414E	47.9	132.3	PPPP		187	22
2914-07021	00000/0000	2-20049/0521	07/24/77	70	2739	5256N	04330E	48.5	130.3	PPPP		187	23
2914-07023	00000/0000	2-20049/0522	07/24/77	60	2739	5132N	04248E	49.2	128.3	PFFF		187	24
2914-07030	00000/0000	2-20049/0523	07/24/77	20	2739	5008N	04208E	49.7	126.3	PFFF		187	25
2914-07032	00000/0000	2-20049/0524	07/24/77	30	2739	4844N	04130E	50.3	124.3	FFFF		187	26
2914-07035	00000/0000	2-20049/0525	07/24/77	10	2739	4719N	04054E	50.7	122.3	FFFF		187	27
2914-07041	00000/0000	2-20049/0526	07/24/77	20	2739	4555N	04019E	51.2	120.2	FFFF		187	28
2914-07044	00000/0000	2-20049/0527	07/24/77	30	2739	4429N	03946E	51.6	118.2	FFFF		187	29
2914-15392	00000/0000	2-20049/0794	07/24/77	40	2744	5009N	08656W	49.7	126.4	GGGG		26	25
2914-17212	00000/0000	2-20049/0432	07/24/77	30	2745	5420N	11039W	47.8	132.3	GGGG		44	22
2914-17214	00000/0000	2-20049/0433	07/24/77	10	2745	5256N	11123W	48.5	130.4	GGGG		44	23
2914-17221	00000/0000	2-20049/0434	07/24/77	10	2745	5132N	11205W	49.1	128.4	GGGG		44	24
2914-17280	00000/0000	2-20049/0435	07/24/77	90	2745	3140N	11920W	53.2	99.2	GGGG		44	38
2914-20423	00000/0000	2-20049/0793	07/24/77	80	2747	7151N	14501W	37.1	161.1	GGGG		80	9
2915-03423	00000/0000	2-20049/0564	07/25/77	50	2751	4842N	09141E	50.1	124.4	FFGF		152	26
2915-03441	00000/0000	2-20049/0567	07/25/77	30	2751	4303N	08926E	51.8	116.2	FFFF		152	30
2915-03444	00000/0000	2-20049/0568	07/25/77	20	2751	4138N	08805E	52.2	114.2	FFFF		152	31
2915-03453	00000/0000	2-20049/0569	07/25/77	40	2751	3847N	08757E	52.7	109.9	FGGF		152	33
2915-03455	00000/0000	2-20049/0570	07/25/77	70	2751	3721N	08729E	52.9	107.8	GGGG		152	34
2915-03462	00000/0000	2-20049/0571	07/25/77	80	2751	3557N	08702E	53.0	105.7	GGGG		152	35
2915-03464	00000/0000	2-20049/0572	07/25/77	90	2751	3432N	08635E	53.1	103.6	GGGG		152	36
2915-03471	00000/0000	2-20049/0573	07/25/77	80	2751	3306N	08610E	53.2	101.4	GGGG		152	37
2915-03473	00000/0000	2-20049/0574	07/25/77	60	2751	3140N	08546E	53.2	99.3	GGGG		152	38
2915-03482	00000/0000	2-20049/0575	07/25/77	80	2751	2847N	08457E	53.0	95.2	GGGG		152	40
2915-03485	00000/0000	2-20049/0576	07/25/77	50	2751	2721N	08433E	52.9	93.1	GGGG		152	41
2915-03491	00000/0000	2-20049/0577	07/25/77	60	2751	2556N	08410E	52.7	91.1	GGGG		152	42
2915-03494	00000/0000	2-20049/0578	07/25/77	90	2751	2430N	08348E	52.4	89.1	GGGG		152	43
2915-03500	00000/0000	2-20049/0579	07/25/77	90	2751	2304N	08326E	52.1	87.1	GGGG		152	44
2915-03503	00000/0000	2-20049/0580	07/25/77	90	2751	2138N	08304E	51.8	85.2	GGGG		152	45
2915-03505	00000/0000	2-20049/0581	07/25/77	90	2751	2012N	08242E	51.4	83.4	GGGG		152	46
2915-03521	00000/0000	2-20049/0582	07/25/77	70	2751	1554N	08137E	50.0	78.1	FFFG		152	49

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0043

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2915-03523	00000/0000	2=20049/0583	07/25/77	60	2751	1428N	08116E	49.4	76.4	FGGG	152	50
2915-03530	00000/0000	2=20049/0584	07/25/77	70	2751	1301N	08086E	48.9	74.8	FGGG	152	51
2915-05234	00000/0000	2=20049/0066	07/25/77	10	2752	5542N	06922E	47.1	134.3	GGGG	170	21
2915-05241	00000/0000	2=20049/0067	07/25/77	40	2752	5418N	06835E	47.7	132.3	GGGG	170	22
2915-05243	00000/0000	2=20049/0068	07/25/77	60	2752	5254N	06700E	48.4	130.4	GGGG	170	23
2915-05250	00000/0000	2=20049/0069	07/25/77	70	2752	5130N	06708E	49.0	128.4	GGGG	170	24
2915-05252	00000/0000	2=20049/0070	07/25/77	30	2752	5007N	06629E	49.6	126.4	GFGG	170	25
2915-05255	00000/0000	2=20049/0585	07/25/77	20	2752	4842N	06551E	50.1	124.4	GGGG	170	26
2915-05261	00000/0000	2=20049/0584	07/25/77	10	2752	4717N	06515E	50.6	122.4	GGGG	170	27
2915-05264	00000/0000	2=20049/0587	07/25/77	10	2752	4552N	06441E	51.1	120.4	GGGG	170	28
2915-05270	00000/0000	2=20049/0588	07/25/77	10	2752	4427N	06407E	51.5	118.3	GGGG	170	29
2915-05273	00000/0000	2=20049/0589	07/25/77	10	2752	4302N	06335E	51.8	116.2	GGGG	170	30
2915-05275	00000/0000	2=20049/0590	07/25/77	0	2752	4137N	06304E	52.2	114.2	GGGG	170	31
2915-05282	00000/0000	2=20049/0591	07/25/77	0	2752	4012N	06234E	52.5	112.1	GGGG	170	32
2915-05284	00000/0000	2=20049/0592	07/25/77	0	2752	3846N	06205E	52.7	109.9	GGGG	170	33
2915-05291	00000/0000	2=20049/0593	07/25/77	0	2752	3721N	06138E	52.9	107.8	GGGG	170	34
2915-05293	00000/0000	2=20049/0594	07/25/77	0	2752	3556N	06111E	53.0	105.7	GGGG	170	35
2915-05300	00000/0000	2=20049/0595	07/25/77	0	2752	3430N	06045E	53.1	103.6	GGGG	170	36
2915-05302	00000/0000	2=20049/0071	07/25/77	0	2752	3304N	06020E	53.2	101.5	GGGG	170	37
2915-05305	00000/0000	2=20049/0072	07/25/77	0	2752	3138N	05955E	53.2	99.3	GGGG	170	38
2915-05311	00000/0000	2=20049/0073	07/25/77	0	2752	3013N	05930E	53.1	97.3	FGGG	170	39
2915-05314	00000/0000	2=20049/0074	07/25/77	0	2752	2847N	05906E	53.0	95.2	GGGG	170	40
2915-05320	00000/0000	2=20049/0075	07/25/77	0	2752	2722N	05843E	52.8	93.1	GGGG	170	41
2915-05323	00000/0000	2=20049/0596	07/25/77	10	2752	2556N	05820E	52.6	91.1	GGGG	170	42
2915-07063	00000/0000	2=20049/0602	07/25/77	80	2753	5708N	04427E	46.3	136.3	PPPP	188	20
2915-07070	00000/0000	2=20049/0603	07/25/77	70	2753	5545N	04337E	47.0	134.4	FPFF	188	21
2915-07072	00000/0000	2=20049/0604	07/25/77	90	2753	5421N	04250E	47.7	132.4	FFFF	188	22
2915-07075	00000/0000	2=20049/0605	07/25/77	30	2753	5257N	04206E	48.4	130.5	GGGG	188	23
2915-07081	00000/0000	2=20049/0606	07/25/77	10	2753	5133N	04124E	49.0	128.5	FGGF	188	24
2915-07084	00000/0000	2=20049/0607	07/25/77	0	2753	5009N	04044E	49.5	126.5	GGGF	188	25
2915-07090	00000/0000	2=20049/0608	07/25/77	0	2753	4845N	04006E	50.1	124.5	FFFF	188	26
2915-07093	00000/0000	2=20049/0609	07/25/77	10	2753	4720N	03929E	50.6	122.5	GGGG	188	27
2915-07095	00000/0000	2=20049/0610	07/25/77	10	2753	4555N	03855E	51.0	120.5	GGGG	188	28
2915-07102	00000/0000	2=20049/0611	07/25/77	10	2753	4430N	03822E	51.4	118.4	GGGG	188	29
2915-07104	00000/0000	2=20049/0612	07/25/77	20	2753	4305N	03750E	51.8	116.3	GGFF	188	30
2915-07111	00000/0000	2=20049/0613	07/25/77	30	2753	4140N	03719E	52.1	114.2	GGGG	188	31

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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2915-07113	00000/0000	2-20049/0614	07/25/77	10	2753	4014N 03649E	52.4	112.1	GGGG			188	32
2915-07120	00000/0000	2-20049/0615	07/25/77	0	2753	3849N 03620E	52.7	110.0	GGGG			188	33
2915-07122	00000/0000	2-20049/0614	07/25/77	20	2753	3724N 03832E	52.9	107.9	GGGG			188	34
2915-07125	00000/0000	2-20049/0617	07/25/77	30	2753	3558N 03544E	53.0	105.8	GGGG			188	35
2915-07131	00000/0000	2-20049/0618	07/25/77	30	2753	3432N 03459E	53.1	103.7	GGGP			188	36
2915-07134	00000/0000	2-20049/0619	07/25/77	20	2753	3307N 03433E	53.2	101.5	GGGF			188	37
2915-07140	00000/0000	2-20049/0620	07/25/77	20	2753	3141N 03408E	53.2	99.4	GGGG			188	38
2915-20445	00000/0000	2-20049/0653	07/25/77	100	2761	8009N 11013W	28.8	201.1	GGGG			82	1
2915-20451	00000/0000	2-20049/0654	07/25/77	90	2761	7927N 11732W	29.9	193.5	GGGG			82	2
2915-20454	00000/0000	2-20049/0655	07/25/77	80	2761	7836N 12347W	30.9	186.9	GGGG			82	3
2915-20460	00000/0000	2-20049/0656	07/25/77	70	2761	7738N 12909W	32.0	181.1	GGGG			82	4
2915-20463	00000/0000	2-20049/0657	07/25/77	80	2761	7635N 13343W	33.0	175.1	GGGG			82	5
2915-20465	00000/0000	2-20049/0658	07/25/77	80	2761	7529N 13738W	34.0	171.7	GGGG			82	6
2915-20472	00000/0000	2-20049/0659	07/25/77	90	2761	7418N 14101W	35.0	167.8	GGGG			82	7
2915-20474	00000/0000	2-20049/0660	07/25/77	90	2761	7306N 14356W	35.9	164.3	GGGG			82	8
2915-20481	00000/0000	2-20049/0661	07/25/77	40	2761	7152N 14629W	36.9	161.1	GGGG			81	9
2916-02043	00000/0000	2-20049/0076	07/26/77	10	2764	5008N 11644E	49.4	126.6	GGGG			135	25
2916-02050	00000/0000	2-20049/0077	07/26/77	40	2764	4844N 11606E	49.9	124.6	GGGG			135	26
2916-02070	00000/0000	2-20049/0064	07/26/77	10	2764	4141N 11320E	52.0	114.4	GGGG			135	31
2916-02073	00000/0000	2-20049/0065	07/26/77	70	2764	4015N 11251E	52.3	112.3	GGGG			135	32
2916-02075	00000/0000	2-20049/0078	07/26/77	60	2764	3850N 11222E	52.6	110.2	GFGG			135	33
2916-02082	00000/0000	2-20049/0079	07/26/77	90	2764	3725N 11155E	52.8	108.1	GGGG			135	34
2916-02084	00000/0000	2-20049/0080	07/26/77	90	2764	3559N 11127E	52.9	106.0	GFGG			135	35
2916-02091	00000/0000	2-20049/0081	07/26/77	90	2764	3432N 11101E	53.0	103.9	GFGG			135	36
2916-03454	00000/0000	2-20049/0662	07/26/77	10	2765	5707N 09435E	46.2	136.4	GGGG			153	20
2916-03461	00000/0000	2-20049/0663	07/26/77	20	2765	5543N 09346E	46.9	134.4	FGGG			153	21
2916-03463	00000/0000	2-20049/0664	07/26/77	80	2765	5419N 09259E	47.6	132.5	GGGG			153	22
2916-03470	00000/0000	2-20049/0665	07/26/77	90	2765	5255N 09215E	48.2	130.5	GGGG			153	23
2916-03472	00000/0000	2-20049/1249	07/26/77	60	2765	5131N 09123E	48.8	128.6	FFFF			153	24
2916-03475	00000/0000	2-20049/1250	07/26/77	50	2765	5007N 09063E	49.4	126.6	FGFF			153	25
2916-03481	00000/0000	2-20049/1251	07/26/77	80	2765	4843N 09015E	49.9	124.6	GGGG			153	26
2916-03484	00000/0000	2-20049/1252	07/26/77	90	2765	4718N 08939E	50.4	122.6	FFFF			153	27
2916-03490	00000/0000	2-20049/1253	07/26/77	50	2765	4554N 08905E	50.9	120.6	FFFF			153	28
2916-03493	00000/0000	2-20049/0666	07/26/77	10	2765	4429N 08832E	51.3	118.5	FGGG			153	29
2916-03495	00000/0000	2-20049/0667	07/26/77	40	2765	4304N 08801E	51.7	116.5	GGGG			153	30
2916-03502	00000/0000	2-20049/1254	07/26/77	30	2765	4139N 08730E	52.0	114.4	GFGF			153	31

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FBR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0045

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2916-03504	00000/0000	2-20049/1255	07/26/77	30	2765	4014N 08700E	52.3	112.3	FGGG			153	32
2916-03513	00000/0000	2-20049/1254	07/26/77	70	2765	3724N 08604E	52.7	108.1	GGGG			153	34
2916-03520	00000/0000	2-20049/1257	07/26/77	80	2765	3558N 08536E	52.9	106.0	GFGG			153	35
2916-03522	00000/0000	2-20049/1258	07/26/77	90	2765	3432N 08510E	53.0	103.9	GFGG			153	36
2916-03525	00000/0000	2-20049/1259	07/26/77	80	2765	3306N 08445E	53.1	101.8	FFFF			153	37
2916-03531	00000/0000	2-20049/1260	07/26/77	70	2765	3140N 08420E	53.1	99.7	GFGG			153	38
2916-03534	00000/0000	2-20049/1261	07/26/77	50	2765	3015N 08365E	53.0	97.6	GGGG			153	39
2916-03540	00000/0000	2-20049/1262	07/26/77	40	2765	2849N 08332E	52.9	95.5	GGGG			153	40
2916-03543	00000/0000	2-20049/1263	07/26/77	60	2765	2723N 08308E	52.8	93.5	GGGG			153	41
2916-03545	00000/0000	2-20049/1264	07/26/77	90	2765	2557N 08245E	52.6	91.4	GGGG			153	42
2916-03552	00000/0000	2-20049/1265	07/26/77	80	2765	2431N 08222E	52.3	89.5	GGGG			153	43
2916-03554	00000/0000	2-20049/1266	07/26/77	80	2765	2305N 08159E	52.1	87.5	GGGG			153	44
2916-03561	00000/0000	2-20049/1267	07/26/77	90	2765	2139N 08137E	51.7	85.6	GGGG			153	45
2916-03563	00000/0000	2-20049/1268	07/26/77	90	2765	2013N 08115E	51.4	83.7	GGGG			153	46
2916-03570	00000/0000	2-20049/1269	07/26/77	90	2765	1846N 08053E	50.9	81.9	GGGG			153	47
2916-03572	00000/0000	2-20049/1270	07/26/77	80	2765	1720N 08032E	50.5	80.1	GGGG			153	48
2916-03575	00000/0000	2-20049/1271	07/26/77	70	2765	1554N 08011E	50.0	78.4	FFFF			153	49
2916-03581	00000/0000	2-20049/1272	07/26/77	70	2765	1428N 07950E	49.4	76.8	GGGF			153	50
2916-03584	00000/0000	2-20049/1273	07/26/77	90	2765	1302N 07930E	48.9	75.2	GFGG			153	51
2916-03590	00000/0000	2-20049/1274	07/26/77	90	2765	1135N 07910E	48.3	73.6	FFFF			153	52
2916-05290	00000/0000	2-20049/0662	07/26/77	10	2766	5706N 06849E	46.2	136.4	GGGG			171	20
2916-05293	00000/0000	2-20049/0663	07/26/77	10	2766	5543N 06759E	46.9	134.4	GGGG			171	21
2916-05295	00000/0000	2-20049/0670	07/26/77	30	2766	5419N 06712E	47.5	132.5	GGGG			171	22
2916-05302	00000/0000	2-20049/0671	07/26/77	80	2766	5255N 06627E	48.2	130.5	GGGG			171	23
2916-05304	00000/0000	2-20049/0672	07/26/77	90	2766	5131N 06545E	48.8	128.6	GGFG			171	24
2916-05311	00000/0000	2-20049/0673	07/26/77	90	2766	5008N 06505E	49.4	126.6	GGGG			171	25
2916-05313	00000/0000	2-20049/1275	07/26/77	60	2766	4843N 06427E	49.9	124.6	GGFF			171	26
2916-05320	00000/0000	2-20049/1274	07/26/77	10	2766	4718N 06351E	50.4	122.6	GGGF			171	27
2916-05322	00000/0000	2-20049/1277	07/26/77	10	2766	4553N 06316E	50.9	120.6	GGFG			171	28
2916-05325	00000/0000	2-20049/1278	07/26/77	0	2766	4428N 06243E	51.3	118.5	FFGF			171	29
2916-05331	00000/0000	2-20049/1279	07/26/77	0	2766	4304N 06211E	51.7	116.5	FFFF			171	30
2916-05334	00000/0000	2-20049/1280	07/26/77	0	2766	4138N 06141E	52.0	114.4	FFFF			171	31
2916-05343	00000/0000	2-20049/1281	07/26/77	0	2766	3848N 06042E	52.5	110.2	FFFF			171	32
2916-05345	00000/0000	2-20049/1282	07/26/77	0	2766	3722N 06014E	52.7	108.1	FFFF			171	33
2916-05352	00000/0000	2-20049/1283	07/26/77	0	2766	3557N 05947E	52.9	106.0	GGGG			171	34
2916-05354	00000/0000	2-20049/1284	07/26/77	0	2766	3430N 05921E	53.0	103.9	GGGG			171	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0046

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2916-05361	00000/0000	2-20043/1288	07/26/77	0	2766	3305N 05855E	53.0	101.8	FGFF			171	37
2916-05363	00000/0000	2-20049/1286	07/26/77	0	2766	3139N 05831E	53.0	99.7	FFFF			171	38
2916-05370	00000/0000	2-20049/1287	07/26/77	0	2766	3013N 05806E	53.0	97.6	FFFF			171	39
2916-05375	00000/0000	2-20049/1288	07/26/77	10	2766	2722N 05718E	52.8	93.6	FFGF			171	41
2916-15502	00000/0000	2-20049/0800	07/26/77	10	2772	5130N 08909W	48.7	128.6	GGGG			28	24
2916-15504	00000/0000	2-20049/0801	07/26/77	10	2772	5006N 08948W	49.3	126.7	GGGG			28	25
2916-17322	00000/0000	2-20049/0597	07/26/77	20	2773	5545N 11243W	46.7	134.5	GGGF			46	21
2916-17324	00000/0000	2-20049/0598	07/26/77	10	2773	5422N 11320W	47.4	132.6	GGGG			46	22
2916-17331	00000/0000	2-20049/0599	07/26/77	10	2773	5258N 11414W	48.1	130.7	GGGG			46	23
2916-17333	00000/0000	2-20049/0600	07/26/77	40	2773	5133N 11456W	48.7	128.7	GGGG			46	24
2916-17392	00000/0000	2-20049/0601	07/26/77	0	2773	3141N 12211W	53.0	99.9	GGGF			46	38
2916-20503	00000/0000	2-20049/0730	07/26/77	100	2775	8010N 11149W	28.6	201.1	GGGG			84	1
2916-20505	00000/0000	2-20049/0731	07/26/77	100	2775	7927N 11900W	29.7	193.5	GGGG			84	2
2916-20512	00000/0000	2-20049/0732	07/26/77	70	2775	7836N 12513W	30.7	186.9	GGGG			83	3
2916-20514	00000/0000	2-20049/0733	07/26/77	50	2775	7739N 13035W	31.7	181.1	GGGG			83	4
2916-20521	00000/0000	2-20049/0734	07/26/77	10	2775	7636N 13511W	32.7	176.1	GGGG			83	5
2916-20523	00000/0000	2-20049/0735	07/26/77	10	2775	7530N 13906W	33.7	171.7	GGGG			83	6
2916-20530	00000/0000	2-20049/0736	07/26/77	0	2775	7419N 14229W	34.7	167.8	GGGG			83	7
2916-20532	00000/0000	2-20049/0737	07/26/77	20	2775	7307N 14526W	35.7	164.3	GGGG			83	8
2916-20535	00000/0000	2-20049/0738	07/26/77	80	2775	7152N 14759W	36.7	161.2	GGGG			83	9
2917-02095	00000/0000	2-20049/0674	07/27/77	80	2778	5133N 11587E	48.6	128.8	GGGG			136	24
2917-02101	00000/0000	2-20049/0675	07/27/77	60	2778	5008N 11517E	49.2	126.8	GGGG			136	25
2917-02131	00000/0000	2-20049/0674	07/27/77	30	2778	4015N 11125E	52.2	112.6	GGGG			136	32
2917-02133	00000/0000	2-20049/0677	07/27/77	20	2778	3850N 11056E	52.4	110.5	GGGG			136	33
2917-02140	00000/0000	2-20049/0678	07/27/77	40	2778	3724N 11028E	52.6	108.4	GGGG			136	34
2917-02142	00000/0000	2-20049/0679	07/27/77	70	2778	3558N 11000E	52.8	106.3	GGGG			136	35
2917-02145	00000/0000	2-20049/0680	07/27/77	80	2778	3433N 10933E	52.9	104.2	GGGG			136	36
2917-03513	00000/0000	2-20049/0844	07/27/77	10	2779	5706N 09308E	46.0	136.5	GGGG			154	20
2917-03515	00000/0000	2-20049/0847	07/27/77	20	2779	5543N 09218E	46.7	134.6	GFGG			154	21
2917-03522	00000/0000	2-20049/0848	07/27/77	20	2779	5421N 09132E	47.3	132.6	GFGG			154	22
2917-03524	00000/0000	2-20049/0849	07/27/77	60	2779	5257N 09048E	48.0	130.7	PPPP			154	23
2917-03540	00000/0000	2-20049/0750	07/27/77	80	2779	4843N 08849E	49.7	124.8	GFGG			154	26
2917-03551	00000/0000	2-20049/0850	07/27/77	50	2779	4429N 08705E	51.1	118.8	GGFG			154	29
2917-03554	00000/0000	2-20049/0851	07/27/77	90	2779	4304N 08633E	51.5	116.7	GGGG			154	30
2917-03560	00000/0000	2-20049/0751	07/27/77	90	2779	4139N 08603E	51.8	114.7	QFFF			154	31
2917-03563	00000/0000	2-20049/0752	07/27/77	90	2779	4014N 08533E	52.1	112.6	GFGG			154	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0047

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2917-03565	00000/0000	2-20049/0753	07/27/77	90	2779	3849N	08505E	52.4	110.5	GFGB			154	33
2917-03561	00000/0000	2-20049/0754	07/27/77	50	2779	3431N	08344E	52.9	104.2	GGGG			154	36
2917-03583	00000/0000	2-20049/0755	07/27/77	30	2779	3306N	08318E	52.9	102.1	GGGG			154	37
2917-03590	00000/0000	2-20049/0756	07/27/77	70	2779	3141N	08253E	52.9	100.0	GGGG			154	38
2917-03592	00000/0000	2-20049/0757	07/27/77	80	2779	3015N	08228E	52.9	97.9	GGGG			154	39
2917-03595	00000/0000	2-20049/0758	07/27/77	90	2779	2849N	08204E	52.8	95.9	GFGB			154	40
2917-04001	00000/0000	2-20049/0759	07/27/77	90	2779	2723N	08140E	52.7	93.8	GFFG			154	41
2917-04004	00000/0000	2-20049/0760	07/27/77	90	2779	2557N	08117E	52.5	91.8	GFFG			154	42
2917-04010	00000/0000	2-20049/0761	07/27/77	90	2779	2431N	08085E	52.3	89.8	FFFF			154	43
2917-04013	00000/0000	2-20049/0762	07/27/77	90	2779	2305N	08032E	52.0	87.9	GGFG			154	44
2917-04015	00000/0000	2-20049/0763	07/27/77	80	2779	2139N	08010E	51.7	86.0	GGFG			154	45
2917-04022	00000/0000	2-20049/0764	07/27/77	70	2779	2013N	07948E	51.3	84.1	GGGG			154	46
2917-04024	00000/0000	2-20049/0765	07/27/77	30	2779	1847N	07927E	50.9	82.3	GGGF			154	47
2917-04031	00000/0000	2-20049/0766	07/27/77	40	2779	1720N	07905E	50.5	80.5	GGGF			154	48
2917-04045	00000/0000	2-20049/0767	07/27/77	60	2779	1135N	07743E	48.3	74.0	GGGG			154	52
2917-05351	00000/0000	2-20049/0768	07/27/77	10	2780	5543N	06632E	46.7	134.6	GGGG			172	21
2917-05353	00000/0000	2-20049/0769	07/27/77	0	2780	5420N	06545E	47.3	132.6	GGGF			172	22
2917-05360	00000/0000	2-20049/0770	07/27/77	0	2780	5256N	06501E	48.0	130.7	FFGF			172	23
2917-05362	00000/0000	2-20049/0771	07/27/77	10	2780	5131N	06419E	48.6	128.7	FFFF			172	24
2917-05365	00000/0000	2-20049/0772	07/27/77	60	2780	5007N	06340E	49.2	126.8	FFGG			172	25
2917-05371	00000/0000	2-20049/0773	07/27/77	50	2780	4843N	06302E	49.7	124.8	FGGF			172	26
2917-05374	00000/0000	2-20049/0774	07/27/77	10	2780	4718N	06225E	50.2	122.8	GGGG			172	27
2917-05380	00000/0000	2-20049/0775	07/27/77	10	2780	4554N	06151E	50.7	120.8	GGGG			172	28
2917-05383	00000/0000	2-20049/0776	07/27/77	10	2780	4429N	06117E	51.1	118.8	GGGG			172	29
2917-05385	00000/0000	2-20049/0777	07/27/77	0	2780	4304N	06045E	51.5	116.7	GFGB			172	30
2917-05392	00000/0000	2-20049/0778	07/27/77	0	2780	4138N	06014E	51.8	114.7	GGGG			172	31
2917-05394	00000/0000	2-20049/0779	07/27/77	0	2780	4013N	05945E	52.1	112.6	FFFF			172	32
2917-05401	00000/0000	2-20049/0780	07/27/77	0	2780	3848N	05916E	52.4	110.5	GGGG			172	33
2917-05403	00000/0000	2-20049/0781	07/27/77	0	2780	3722N	05848E	52.6	108.4	GGGG			172	34
2917-05410	00000/0000	2-20049/0782	07/27/77	0	2780	3556N	05822E	52.8	106.3	GGGG			172	35
2917-05412	00000/0000	2-20049/0783	07/27/77	0	2780	3431N	05785E	52.9	104.2	GGGG			172	36
2917-05415	00000/0000	2-20049/0784	07/27/77	0	2780	3309N	05730E	52.9	102.1	GGGG			172	37
2917-05421	00000/0000	2-20049/0785	07/27/77	0	2780	3139N	05705E	52.9	100.0	GGGG			172	38
2917-05424	00000/0000	2-20049/0786	07/27/77	0	2780	3014N	05641E	52.9	97.9	GGGG			172	39
2917-05430	00000/0000	2-20049/0787	07/27/77	10	2780	2848N	05617E	52.8	95.9	GGGG			172	40
2917-05433	00000/0000	2-20049/0788	07/27/77	10	2780	2722N	05553E	52.7	93.8	GGGF			172	41

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR;
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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PAGE 0048

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2917-07185	00000/0000	2-20049/0622	07/27/77	10	2781	5419N	03956E	47.3	132.6	FFFF			190	22
2917-07191	00000/0000	2-20049/0623	07/27/77	40	2781	5255N	03911E	48.0	130.7	PPPP			190	23
2917-07194	00000/0000	2-20049/0624	07/27/77	70	2781	5131N	03829E	48.6	128.7	PPPP			190	24
2917-07212	00000/0000	2-20049/0621	07/27/77	20	2781	4552N	03601E	50.7	120.8	P PP			190	28
2917-14163	00000/0000	2-20049/0789	07/27/77	30	2785	3847N	06948W	52.3	110.6	GGGG			11	33
2917-14165	00000/0000	2-20049/0790	07/27/77	60	2785	3722N	07016W	58.5	108.5	GGGG			11	34
2917-14172	00000/0000	2-20049/0791	07/27/77	70	2785	3556N	07043W	58.7	106.4	GGGG			11	35
2917-14174	00000/0000	2-20049/0792	07/27/77	90	2785	3430N	07109W	58.8	104.3	GGGG			11	36
2917-15562	00000/0000	2-20049/0794	07/27/77	30	2786	3007N	09114W	49.1	126.9	GGGG			29	25
2917-16035	00000/0000	2-20049/0798	07/27/77	10	2786	2430N	09946W	58.2	90.0	GGGG			29	43
2917-17444	00000/0000	2-20049/0808	07/27/77	10	2787	3304N	12313W	52.9	102.2	QFGP			47	37
2917-20563	00000/0000	2-20049/0738	07/27/77	100	2789	7927N	12022W	29.4	193.6	FGGG			85	2
2917-20570	00000/0000	2-20049/0740	07/27/77	90	2789	7836N	12636W	30.5	186.9	GGGG			84	3
2917-20572	00000/0000	2-20049/0741	07/27/77	10	2789	7739N	13168W	31.5	181.2	GGGG			84	4
2917-20575	00000/0000	2-20049/0742	07/27/77	10	2789	7637N	13633W	32.5	176.1	GGGG			84	5
2917-20581	00000/0000	2-20049/0743	07/27/77	0	2789	7529N	14030W	33.5	171.7	GGGG			84	6
2917-20584	00000/0000	2-20049/0744	07/27/77	10	2789	7419N	14354W	34.5	167.8	GGGG			84	7
2917-20590	00000/0000	2-20049/0745	07/27/77	20	2789	7307N	14619W	36.5	164.4	GGGG			84	8
2917-20593	00000/0000	2-20049/0746	07/27/77	10	2789	7153N	14925W	38.4	161.2	GGGG			84	9
2918-02160	00000/0000	2-20049/0852	07/28/77	80	2792	5010N	11381E	49.0	127.0	GGGG			137	25
2918-02185	00000/0000	2-20049/0853	07/28/77	80	2792	4015N	10958E	52.0	112.9	GGFG			137	32
2918-02192	00000/0000	2-20049/0854	07/28/77	70	2792	3850N	10929E	52.3	110.8	GGGG			137	33
2918-02194	00000/0000	2-20049/0855	07/28/77	70	2792	3725N	10902E	52.5	108.7	GGGC			137	34
2918-02201	00000/0000	2-20049/0856	07/28/77	70	2792	3600N	10835E	52.6	106.6	GGGG			137	35
2918-02203	00000/0000	2-20049/0857	07/28/77	60	2792	3434N	10809E	52.7	104.5	GGGG			137	36
2918-02210	00000/0000	2-20049/0858	07/28/77	70	2792	3308N	10743E	52.8	102.4	GGGG			137	37
2918-02212	00000/0000	2-20049/0859	07/28/77	80	2792	3143N	10717E	52.8	100.3	GGFG			137	38
2918-02215	00000/0000	2-20049/0860	07/28/77	40	2792	3017N	10652E	55.8	98.3	GGGG			137	39
2918-03571	00000/0000	2-20049/0862	07/28/77	10	2793	5707N	09143E	45.7	136.6	GGGF			155	20
2918-03573	00000/0000	2-20049/0863	07/28/77	50	2793	5544N	09053E	46.4	134.7	GG G			155	21
2918-03580	00000/0000	2-20049/0864	07/28/77	60	2793	5421N	09006E	47.1	132.8	GGGG			155	22
2918-03582	00000/0000	2-20049/0865	07/28/77	70	2793	5257N	08922E	47.8	130.9	GGGG			155	23
2918-03585	00000/0000	2-20049/0924	07/28/77	60	2793	5133N	08840E	48.4	128.9	GGF			155	24
2918-03591	00000/0000	2-20049/0925	07/28/77	60	2793	5008N	08800E	49.0	127.0	GGGF			155	25
2918-03594	00000/0000	2-20049/0926	07/28/77	40	2793	4844N	08723E	49.5	125.0	GGGG			155	26
2918-04000	00000/0000	2-20049/0927	07/28/77	60	2793	4719N	08647E	50.0	123.0	GGGF			155	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0049

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2918-04003	00000/0000	2-20049/0928	07/28/77	50	2793	4555N	08612E	50.5	121.0	GGFG			155	28
2918-04005	00000/0000	2-20049/0928	07/28/77	30	2793	4430N	08540E	50.9	119.0	GGGG			155	29
2918-04012	00000/0000	2-20049/0930	07/28/77	40	2793	4305N	08508E	51.3	117.0	GGFF			155	30
2918-04014	00000/0000	2-20049/0931	07/28/77	40	2793	4140N	08437E	51.7	114.9	GGFG			155	31
2918-04021	00000/0000	2-20049/0932	07/28/77	10	2793	4015N	08407E	52.0	112.9	GGFF			155	32
2918-04023	00000/0000	2-20049/0933	07/28/77	0	2793	3850N	08338E	52.2	110.8	FFFF			155	33
2918-04030	00000/0000	2-20049/0934	07/28/77	0	2793	3734N	08311E	52.5	108.7	FFFF			155	34
2918-04032	00000/0000	2-20049/0935	07/28/77	10	2793	3558N	08244E	52.6	106.6	FGFF			155	35
2918-04035	00000/0000	2-20049/0936	07/28/77	50	2793	3432N	08217E	52.7	104.5	GGGF			155	36
2918-04041	00000/0000	2-20049/0937	07/28/77	30	2793	3306N	08181E	52.8	102.4	GGGF			155	37
2918-04044	00000/0000	2-20049/0938	07/28/77	40	2793	3141N	08125E	52.8	100.3	GGGF			155	38
2918-04050	00000/0000	2-20049/0939	07/28/77	80	2793	3015N	08101E	52.8	98.3	GGGF			155	39
2918-04053	00000/0000	2-20049/0940	07/28/77	70	2793	2850N	08037E	52.7	96.2	GGGG			155	40
2918-04055	00000/0000	2-20049/0941	07/28/77	80	2793	2724N	08013E	52.6	94.2	GGGF			155	41
2918-04071	00000/0000	2-20049/0942	07/28/77	90	2793	2305N	07906E	51.9	88.2	FGGF			155	44
2918-04073	00000/0000	2-20049/0943	07/28/77	90	2793	2139N	07844E	51.6	86.3	FGGG			155	45
2918-04080	00000/0000	2-20049/0944	07/28/77	90	2793	2013N	07822E	51.3	84.5	GGGG			155	46
2918-04082	00000/0000	2-20049/0945	07/28/77	90	2793	1847N	07801E	50.9	82.6	GGGF			155	47
2918-04085	00000/0000	2-20049/0946	07/28/77	90	2793	1720N	07740E	50.4	80.9	GGFG			155	48
2918-04091	00000/0000	2-20049/0947	07/28/77	80	2793	1554N	07719E	49.9	79.2	FGFF			155	49
2918-04094	00000/0000	2-20049/0948	07/28/77	70	2793	1428N	07688E	49.4	77.5	GGGF			155	50
2918-04100	00000/0000	2-20049/0949	07/28/77	70	2793	1302N	07637E	48.9	75.9	GGGG			155	51
2918-04103	00000/0000	2-20049/0950	07/28/77	80	2793	1135N	07616E	48.3	74.3	FFFF			155	52
2918-05402	00000/0000	2-20049/0866	07/28/77	50	2794	5706N	06587E	45.7	136.6	GGGG			173	20
2918-05405	00000/0000	2-20049/0867	07/28/77	50	2794	5543N	06507E	46.4	134.7	GGGG			173	21
2918-05411	00000/0000	2-20049/0868	07/28/77	60	2794	5420N	06420E	47.1	132.8	GGGG			173	22
2918-05414	00000/0000	2-20049/0869	07/28/77	40	2794	5256N	06335E	47.8	130.9	G GG			173	23
2918-05420	00000/0000	2-20049/0870	07/28/77	20	2794	5132N	06253E	48.4	128.9	GGG			173	24
2918-05423	00000/0000	2-20049/0871	07/28/77	10	2794	5008N	06213E	49.0	127.0	GGGG			173	25
2918-05425	00000/0000	2-20049/0872	07/28/77	0	2794	4844N	06135E	49.5	125.0	GGG			173	26
2918-05432	00000/0000	2-20049/0873	07/28/77	0	2794	4719N	06059E	50.0	123.0	GGGF			173	27
2918-05434	00000/0000	2-20049/0874	07/28/77	10	2794	4554N	06025E	50.5	121.0	FFFF			173	28
2918-05441	00000/0000	2-20049/0875	07/28/77	10	2794	4429N	05981E	50.9	119.0	FGFF			173	29
2918-05443	00000/0000	2-20049/0876	07/28/77	20	2794	4304N	05918E	51.3	117.0	FFFF			173	30
2918-05450	00000/0000	2-20049/0877	07/28/77	30	2794	4139N	05847E	51.7	115.0	FGGG			173	31
2918-05452	00000/0000	2-20049/0878	07/28/77	50	2794	4014N	05812E	52.0	112.9	GGFF			173	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0050

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2918-05455	00000/0000	2-20049/0957	07/28/77	80	2794	3848N 05750E	52.2	110.8	GGGF			173	33
2918-05461	00000/0000	2-20049/0958	07/28/77	60	2794	3723N 05723E	52.4	108.7	GGGF			173	34
2918-05464	00000/0000	2-20049/0959	07/28/77	50	2794	3557N 05686E	52.6	106.6	FGGF			173	35
2918-05470	00000/0000	2-20049/0960	07/28/77	30	2794	3432N 05631E	52.7	104.5	FGGF			173	36
2918-05473	00000/0000	2-20049/0961	07/28/77	20	2794	3306N 05605E	52.8	102.4	FGGG			173	37
2918-05475	00000/0000	2-20049/0962	07/28/77	10	2794	3140N 05539E	52.8	100.4	FFGG			173	38
2918-05482	00000/0000	2-20049/0963	07/28/77	10	2794	3014N 05514E	52.8	98.3	FGGF			173	39
2918-05484	00000/0000	2-20049/0872	07/28/77	0	2794	2848N 05450E	52.7	96.2	GGGG			173	40
2918-05491	00000/0000	2-20049/0873	07/28/77	10	2794	2723N 05426E	52.6	94.2	GGGG			173	41
2918-07234	00000/0000	2-20049/0642	07/28/77	20	2795	5706N 04006E	45.7	136.6	GGGG			191	20
2918-07240	00000/0000	2-20049/0643	07/28/77	30	2795	5543N 03917E	46.4	134.7	FFFF			191	21
2918-07243	00000/0000	2-20049/0644	07/28/77	30	2795	5419N 03830E	47.1	132.8	FFFF			191	22
2918-07245	00000/0000	2-20049/0645	07/28/77	20	2795	5255N 03746E	47.8	130.9	GGGG			191	23
2918-07252	00000/0000	2-20049/0646	07/28/77	40	2795	5131N 03704E	48.4	128.9	GGGG			191	24
2918-07254	00000/0000	2-20049/0647	07/28/77	80	2795	5007N 03624E	49.0	127.0	FFFF			191	25
2918-07261	00000/0000	2-20049/0648	07/28/77	90	2795	4842N 03546E	49.5	125.0	FPPP			191	26
2918-07263	00000/0000	2-20049/0649	07/28/77	40	2795	4718N 03509E	50.0	123.0	FFFF			191	27
2918-07270	00000/0000	2-20049/0650	07/28/77	10	2795	4553N 03435E	50.5	121.0	GGGG			191	28
2918-07272	00000/0000	2-20049/0651	07/28/77	30	2795	4428N 03402E	50.9	119.0	GGGF			191	29
2918-14232	00000/0000	2-20049/0747	07/28/77	100	2799	3431N 07236W	52.7	104.6	GGGG			12	36
2918-14235	00000/0000	2-20049/0748	07/28/77	100	2799	3305N 07302W	52.8	102.6	GFGG			12	37
2918-14241	00000/0000	2-20049/0749	07/28/77	90	2799	3140N 07327W	52.8	100.5	GGGG			12	38
2918-21021	00000/0000	2-20049/1017	07/28/77	30	2803	7927N 12136W	29.2	193.6	GGGG			85	2
2918-21024	00000/0000	2-20049/1018	07/28/77	60	2803	7836N 12754W	30.2	187.0	GGGG			85	3
2918-21030	00000/0000	2-20049/1019	07/28/77	20	2803	7739N 13317W	31.3	181.2	GGGG			85	4
2918-21035	00000/0000	2-20049/1020	07/28/77	0	2803	7529N 14150W	33.3	171.8	GGGG			85	6
2918-21044	00000/0000	2-20049/1021	07/28/77	10	2803	7307N 14309W	35.2	164.4	GGGG			84	8
2918-21051	00000/0000	2-20049/1022	07/28/77	50	2803	7152N 15043W	36.2	161.3	GGGG			84	9
2919-02243	00000/0000	2-20049/0874	07/29/77	60	2806	4016N 10832E	51.8	113.2	GGGG			138	32
2919-02250	00000/0000	2-20049/0875	07/29/77	60	2806	3851N 10803E	52.1	111.1	GGGG			138	33
2919-02252	00000/0000	2-20049/0876	07/29/77	80	2806	3726N 10735E	52.3	109.0	GFFG			138	34
2919-02255	00000/0000	2-20049/0877	07/29/77	80	2806	3601N 10708E	52.5	106.9	FGFG			138	35
2919-02261	00000/0000	2-20049/0878	07/29/77	80	2806	3436N 10642E	52.6	104.8	FFFF			138	36
2919-02264	00000/0000	2-20049/0879	07/29/77	80	2806	3309N 10617E	52.7	102.8	GFFG			138	37
2919-02270	00000/0000	2-20049/0880	07/29/77	60	2806	3144N 10581E	52.7	100.7	GGGG			138	38
2919-02273	00000/0000	2-20049/0881	07/29/77	60	2806	3018N 10526E	52.7	98.6	GGGG			138	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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LANDSAT#2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0051

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2919-04052	00000/0000	2=20049/0884	07/29/77	30	2807	4845N	08558E	49.3	125.2	FFGG			156	26
2919-04054	00000/0000	2=20049/0887	07/29/77	20	2807	4720N	08522E	49.8	123.3	FGGG			156	27
2919-04061	00000/0000	2=20049/0888	07/29/77	40	2807	4556N	08448E	50.3	121.3	FGGG			156	28
2919-04063	00000/0000	2=20049/0889	07/29/77	30	2807	4430N	08414E	50.8	119.3	GGGF			156	29
2919-04070	00000/0000	2=20049/0890	07/29/77	50	2807	4306N	08342E	51.2	117.3	FGFG			156	30
2919-04072	00000/0000	2=20049/0891	07/29/77	50	2807	4140N	08312E	51.5	115.2	GGGG			156	31
2919-04075	00000/0000	2=20049/0892	07/29/77	20	2807	4015N	08241E	51.8	113.2	GFGG			156	32
2919-04081	00000/0000	2=20049/0893	07/29/77	10	2807	3850N	08212E	52.1	111.1	GGGG			156	33
2919-04084	00000/0000	2=20049/0894	07/29/77	10	2807	3724N	08144E	52.3	109.0	GFGF			156	34
2919-04090	00000/0000	2=20049/0898	07/29/77	10	2807	3558N	08118E	52.5	106.9	FFFF			156	35
2919-04093	00000/0000	2=20049/0894	07/29/77	40	2807	3433N	08082E	52.6	104.9	GGGF			156	36
2919-04095	00000/0000	2=20049/0897	07/29/77	90	2807	3307N	08026E	52.7	102.8	GGFG			156	37
2919-04102	00000/0000	2=20049/0898	07/29/77	90	2807	3142N	08001E	52.7	100.7	FFFF			156	38
2919-04104	00000/0000	2=20049/0899	07/29/77	90	2807	3016N	07937E	52.7	98.6	GGFG			156	39
2919-04111	00000/0000	2=20049/0900	07/29/77	90	2807	2850N	07913E	52.6	96.6	GFGG			156	40
2919-04113	00000/0000	2=20049/0901	07/29/77	80	2807	2725N	07850E	52.5	94.5	GFGF			156	41
2919-04122	00000/0000	2=20049/0902	07/29/77	90	2807	2432N	07803E	52.1	90.6	FFFF			156	43
2919-04125	00000/0000	2=20049/0903	07/29/77	80	2807	2306N	07741E	51.9	88.6	GGGG			156	44
2919-04131	00000/0000	2=20049/0904	07/29/77	90	2807	2140N	07719E	51.6	86.7	FGGG			156	45
2919-04134	00000/0000	2=20049/0908	07/29/77	80	2807	2013N	07687E	51.2	84.8	GGGG			156	46
2919-04140	00000/0000	2=20049/0904	07/29/77	90	2807	1847N	07636E	50.8	83.0	GGGF			156	47
2919-04143	00000/0000	2=20049/0907	07/29/77	90	2807	1721N	07615E	50.4	81.3	FGGG			156	48
2919-04145	00000/0000	2=20049/0908	07/29/77	90	2807	1555N	07584E	49.9	79.5	GGGF			156	49
2919-04152	00000/0000	2=20049/0909	07/29/77	90	2807	1429N	07533E	49.4	77.9	GGGG			156	50
2919-04154	00000/0000	2=20049/0910	07/29/77	90	2807	1302N	07512E	48.9	76.2	FGGF			156	51
2919-04161	00000/0000	2=20049/0911	07/29/77	50	2807	1136N	07481E	48.3	74.7	FGGF			156	52
2919-05460	00000/0000	2=20049/1154	07/29/77	50	2808	5708N	06431E	45.5	136.8	GGGG			174	20
2919-05463	00000/0000	2=20049/1155	07/29/77	60	2808	5544N	06341E	46.2	134.9	GGGG			174	21
2919-05465	00000/0000	2=20049/0410	07/29/77	80	2808	5420N	06283E	46.9	132.9	GGGG			174	22
2919-05472	00000/0000	2=20049/0411	07/29/77	60	2808	5257N	06209E	47.6	131.0	GGGG			174	23
2919-05474	00000/0000	2=20049/0412	07/29/77	60	2808	5132N	06127E	48.2	129.1	GGGG			174	24
2919-05481	00000/0000	2=20049/0413	07/29/77	30	2808	5008N	06047E	48.8	127.2	GGGG			174	25
2919-05483	00000/0000	2=20049/0998	07/29/77	10	2808	4844N	06009E	49.3	125.2	FGF			174	26
2919-05490	00000/0000	2=20049/0912	07/29/77	10	2808	4719N	05933E	49.8	123.3	FGFG			174	27
2919-05492	00000/0000	2=20049/0913	07/29/77	0	2808	4555N	05858E	50.3	121.3	FFFF			174	28
2919-05495	00000/0000	2=20049/0914	07/29/77	0	2808	4430N	05825E	50.8	119.3	FFFF			174	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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PAGE 0052

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV	MSS 123	MSS 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2919-05501	00000/0000	2-20049/0915	07/29/77	10	2808	4305N	05753E	51.1	117.3		FGGG		174	30
2919-05504	00000/0000	2-20049/0916	07/29/77	10	2808	4139N	05722E	51.5	115.2		FGGG		174	31
2919-05510	00000/0000	2-20049/0917	07/29/77	10	2808	4014N	05663E	51.8	113.2		GFFG		174	32
2919-05513	00000/0000	2-20049/0918	07/29/77	30	2808	3848N	05624E	52.1	111.1		GFGF		174	33
2919-05515	00000/0000	2-20049/0919	07/29/77	50	2808	3723N	05586E	52.3	109.0		GGGG		174	34
2919-05522	00000/0000	2-20049/0920	07/29/77	30	2808	3558N	05529E	52.5	107.0		FFGG		174	35
2919-05524	00000/0000	2-20049/0921	07/29/77	40	2808	3432N	05503E	52.6	104.9		FGGG		174	36
2919-05531	00000/0000	2-20049/0922	07/29/77	40	2808	3307N	05437E	52.7	102.8		GGGG		174	37
2919-05533	00000/0000	2-20049/0923	07/29/77	10	2808	3141N	05412E	52.7	100.7		FGGG		174	38
2919-07283	00000/0000	2-20049/1829	07/29/77	40	2809	5953N	04030E	44.0	140.6		GGGG		192	18
2919-07285	00000/0000	2-20049/1830	07/29/77	20	2809	5830N	03932E	44.8	138.7		GGGG		192	19
2919-07292	00000/0000	2-20049/1831	07/29/77	10	2809	5706N	03839E	45.5	136.8		PPPF		192	20
2919-07294	00000/0000	2-20049/1832	07/29/77	50	2809	5543N	03749E	46.2	134.8		FFFF		192	21
2919-07301	00000/0000	2-20049/1833	07/29/77	30	2809	5419N	03702E	46.9	132.9		FFFF		192	22
2919-07303	00000/0000	2-20049/1834	07/29/77	60	2809	5256N	03618E	47.5	131.0		GFFG		192	23
2919-07310	00000/0000	2-20049/1835	07/29/77	90	2809	5132N	03537E	48.2	129.1		PPPP		192	24
2919-07321	00000/0000	2-20049/1836	07/29/77	30	2809	4718N	03343E	49.8	123.3		GGGG		192	27
2919-07324	00000/0000	2-20049/1837	07/29/77	40	2809	4554N	03309E	50.3	121.3		GGGG		192	28
2919-14243	00000/0000	2-20049/0964	07/29/77	80	2813	5008N	06814W	48.7	127.2		GGGG		13	25
2919-14245	00000/0000	2-20049/0965	07/29/77	90	2813	4843N	06852W	49.2	125.3		GGGF		13	26
2919-14302	00000/0000	2-20049/0966	07/29/77	90	2813	3015N	07515W	52.6	98.8		GGGF		13	39
2919-14304	00000/0000	2-20049/0967	07/29/77	70	2813	2849N	07540W	52.6	96.7		GGGF		13	40
2919-14311	00000/0000	2-20049/0968	07/29/77	50	2813	2723N	07504W	52.5	94.7		GGGF		13	41
2919-21073	00000/0000	2-20049/0969	07/29/77	50	2817	8010N	11552W	27.9	201.2		GGGG		87	1
2919-21080	00000/0000	2-20049/0970	07/29/77	40	2817	7928N	12305W	28.9	193.5		GGGG		86	2
2919-21082	00000/0000	2-20049/0971	07/29/77	40	2817	7835N	12921W	30.0	187.0		GGGG		86	3
2919-21085	00000/0000	2-20049/0972	07/29/77	10	2817	7740N	13446W	31.0	181.2		GGGG		86	4
2919-21091	00000/0000	2-20049/0973	07/29/77	10	2817	7637N	13923W	32.0	176.2		GGGG		86	5
2919-21094	00000/0000	2-20049/0974	07/29/77	70	2817	7530N	14319W	33.0	171.8		GGGG		86	6
2919-21100	00000/0000	2-20049/0975	07/29/77	90	2817	7420N	14641W	34.0	167.9		GGGG		86	7
2919-21103	00000/0000	2-20049/0976	07/29/77	30	2817	7308N	14937W	35.0	164.4		GGGG		86	8
2920-02265	00000/0000	2-20049/0999	07/30/77	80	2820	5130N	11138E	48.0	129.2		GGGG		139	24
2920-02301	00000/0000	2-20049/1000	07/30/77	10	2820	4012N	10705E	51.7	113.4		GGGG		139	32
2920-02304	00000/0000	2-20049/1001	07/30/77	20	2820	3848N	10636E	51.7	111.3		GGGG		139	33
2920-02310	00000/0000	2-20049/1002	07/30/77	30	2820	3722N	10608E	52.2	109.2		GGGG		139	34
2920-02313	00000/0000	2-20049/1003	07/30/77	40	2820	3557N	10541E	52.4	107.2		GGGG		139	35

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2920-02315	00000/0000	2-20049/1004	07/30/77	40	2820	3432N	10516E	52.5	105.1	GGGG			139	36
2920-02322	00000/0000	2-20049/1008	07/30/77	50	2820	3307N	10480E	52.6	103.0	GGGG			139	37
2920-02324	00000/0000	2-20049/1006	07/30/77	50	2820	3141N	10425E	52.6	101.0	GGGG			139	38
2920-02331	00000/0000	2-20049/1007	07/30/77	60	2820	3015N	10400E	52.6	98.9	GGGG			139	39
2920-04080	00000/0000	2-20049/1008	07/30/77	60	2821	5831N	08945E	44.5	138.8	GGG			157	19
2920-04083	00000/0000	2-20049/1009	07/30/77	80	2821	5708N	08853E	45.3	136.9	FGGG			157	20
2920-04085	00000/0000	2-20049/1010	07/30/77	70	2821	5545N	08803E	46.0	135.0	FGGG			157	21
2920-04092	00000/0000	2-20049/1011	07/30/77	30	2821	5421N	08716E	46.7	133.1	FGGG			157	22
2920-04094	00000/0000	2-20049/0989	07/30/77	10	2821	5257N	08631E	47.4	131.2	GGFG			157	23
2920-04101	00000/0000	2-20049/0984	07/30/77	30	2821	5134N	08549E	48.0	129.3	GGGG			157	24
2920-04103	00000/0000	2-20049/0985	07/30/77	30	2821	5009N	08510E	48.6	127.4	GGGG			157	25
2920-04110	00000/0000	2-20049/0986	07/30/77	10	2821	4845N	08432E	49.1	125.4	GGGG			157	26
2920-04112	00000/0000	2-20049/0987	07/30/77	10	2821	4720N	08385E	49.6	123.5	GGGG			157	27
2920-04115	00000/0000	2-20049/1534	07/30/77	10	2821	4556N	08320E	50.1	121.5	FFGF			157	28
2920-04121	00000/0000	2-20049/1535	07/30/77	10	2821	4431N	08246E	50.6	119.5	GGGG			157	29
2920-04124	00000/0000	2-20049/1536	07/30/77	10	2821	4305N	08215E	51.0	117.5	GGGG			157	30
2920-04130	00000/0000	2-20049/1537	07/30/77	10	2821	4140N	08144E	51.3	115.5	GGGG			157	31
2920-04133	00000/0000	2-20049/1538	07/30/77	40	2821	4014N	08115E	51.7	113.5	GGGG			157	32
2920-04135	00000/0000	2-20049/1539	07/30/77	50	2821	3851N	08046E	51.9	111.4	FGFF			157	33
2920-04142	00000/0000	2-20049/1540	07/30/77	10	2821	3725N	08018E	52.2	109.3	FFFF			157	34
2920-04144	00000/0000	2-20049/1541	07/30/77	20	2821	3559N	07981E	52.3	107.3	FGG			157	35
2920-04151	00000/0000	2-20049/1542	07/30/77	40	2821	3433N	07925E	52.5	105.2	GGGG			157	36
2920-04153	00000/0000	2-20049/1543	07/30/77	80	2821	3307N	07900E	52.6	103.1	GGGG			157	37
2920-04160	00000/0000	2-20049/1544	07/30/77	90	2821	3141N	07835E	52.6	101.0	FFFF			157	38
2920-04162	00000/0000	2-20049/1545	07/30/77	90	2821	3016N	07811E	52.6	99.0	GFGG			157	39
2920-04165	00000/0000	2-20049/1546	07/30/77	90	2821	2850N	07747E	52.5	96.9	GGGG			157	40
2920-04171	00000/0000	2-20049/1547	07/30/77	90	2821	2724N	07723E	52.4	94.9	FFFF			157	41
2920-04174	00000/0000	2-20049/1548	07/30/77	100	2821	2558N	07700E	52.3	92.9	GGGG			157	42
2920-04180	00000/0000	2-20049/1549	07/30/77	100	2821	2432N	07637E	52.1	90.9	GGGG			157	43
2920-04183	00000/0000	2-20049/1550	07/30/77	90	2821	2307N	07614E	51.8	89.0	GGGG			157	44
2920-04192	00000/0000	2-20049/1551	07/30/77	90	2821	2015N	07530E	51.2	85.2	GF3G			157	46
2920-04194	00000/0000	2-20049/1552	07/30/77	80	2821	1848N	07509E	50.8	83.4	FFFF			157	47
2920-04201	00000/0000	2-20049/1553	07/30/77	70	2821	1722N	07449E	50.4	81.6	GGGG			157	48
2920-04203	00000/0000	2-20049/1554	07/30/77	70	2821	1556N	07427E	49.9	79.9	GGGG			157	49
2920-04210	00000/0000	2-20049/1555	07/30/77	50	2821	1429N	07406E	49.4	78.2	GGGG			157	50
2920-04212	00000/0000	2-20049/1556	07/30/77	60	2821	1303N	07345E	48.9	76.6	FFFF			157	51

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0054

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RSV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2920-05382	00000/0000	2-20049/0977	07/30/77	80	2822	7304N 15816W	13.6	289.2	GGGG			156	236 A
2920-05512	00000/0000	2-20049/0988	07/30/77	80	2822	5831N 06357E	44.5	138.8	GGGG			175	19
2920-05514	00000/0000	2-20049/0989	07/30/77	30	2822	5708N 06303E	45.3	136.9	GGGG			175	20
2920-05521	00000/0000	2-20049/0990	07/30/77	40	2822	5544N 06213E	46.0	135.0	GGGG			175	21
2920-05523	00000/0000	2-20049/0991	07/30/77	20	2822	5420N 06126E	46.7	133.1	GGGG			175	22
2920-05530	00000/0000	2-20049/0992	07/30/77	10	2822	5257N 06042E	47.3	131.2	GGGG			175	23
2920-05532	00000/0000	2-20049/0993	07/30/77	40	2822	5133N 06000E	48.0	129.3	GGGG			175	24
2920-05535	00000/0000	2-20049/0994	07/30/77	20	2822	5008N 05920E	48.6	127.4	GGGG			175	25
2920-05544	00000/0000	2-20049/1557	07/30/77	20	2822	4719N 05806E	49.6	123.5	GGGG			175	27
2920-05550	00000/0000	2-20049/1558	07/30/77	10	2822	4555N 05731E	50.1	121.5	GGGG			175	28
2920-05553	00000/0000	2-20049/1559	07/30/77	10	2822	4430N 05658E	50.6	119.5	FFFF			175	29
2920-05564	00000/0000	2-20049/1560	07/30/77	10	2822	4014N 05526E	51.6	113.5	GGGG			175	32
2920-05571	00000/0000	2-20049/1561	07/30/77	10	2822	3849N 05458E	51.9	111.4	GGGG			175	33
2920-05573	00000/0000	2-20049/1562	07/30/77	40	2822	3724N 05430E	52.1	109.3	GGGG			175	34
2920-05580	00000/0000	2-20049/1563	07/30/77	30	2822	3558N 05403E	52.3	107.3	GGGG			175	35
2920-05585	00000/0000	2-20049/0995	07/30/77	20	2822	3307N 05311E	52.6	103.1	GGGG			175	37
2920-05591	00000/0000	2-20049/0996	07/30/77	0	2822	3142N 05246E	52.6	101.1	GGGG			175	38
2920-05594	00000/0000	2-20049/0997	07/30/77	10	2822	3016N 05221E	52.6	99.0	GGGG			175	39
2920-07335	00000/0000	2-20049/1040	07/30/77	50	2823	6116N 04010E	43.0	142.7	FFFF			193	17
2920-07341	00000/0000	2-20049/1041	07/30/77	40	2823	5953N 03908E	43.8	140.7	FFFF			193	18
2920-07344	00000/0000	2-20049/1042	07/30/77	70	2823	5830N 03810E	44.5	138.8	FFFF			193	19
2920-07350	00000/0000	2-20049/1043	07/30/77	60	2823	5707N 03716E	45.3	136.9	FFFF			193	20
2920-07353	00000/0000	2-20049/1044	07/30/77	70	2823	5544N 03626E	46.0	135.0	FFFF			193	21
2920-07355	00000/0000	2-20049/1045	07/30/77	80	2823	5420N 03539E	46.7	133.1	FFFF			193	22
2920-07362	00000/0000	2-20049/1046	07/30/77	90	2823	5256N 03455E	47.3	131.2	FFFF			193	23
2920-07371	00000/0000	2-20049/1047	07/30/77	90	2823	5008N 03333E	48.6	127.4	FFFF			193	25
2920-07373	00000/0000	2-20049/1048	07/30/77	30	2823	4843N 03255E	49.1	125.4	FFFF			193	26
2920-07380	00000/0000	2-20049/1039	07/30/77	20	2823	4719N 03219E	49.6	123.5	FFFF			193	27
2920-07382	00000/0000	2-20049/1049	07/30/77	10	2823	4554N 03144E	50.1	121.5	FFFF			193	28
2920-14303	00000/0000	2-20049/0882	07/30/77	90	2827	4844N 07020W	49.0	125.5	GGGG			14	26
2920-14365	00000/0000	2-20049/0883	07/30/77	30	2827	2723N 07727W	52.4	95.1	GGGG			14	41
2920-14371	00000/0000	2-20049/0884	07/30/77	30	2827	2557N 07751W	52.2	93.1	GGGG			14	42
2920-14374	00000/0000	2-20049/0885	07/30/77	30	2827	2431N 07814W	52.0	91.1	GGGG			14	43
2920-16203	00000/0000	2-20049/0477	07/30/77	90	2828	2558N 10340W	52.2	93.1	GGGG			32	42
2920-16212	00000/0000	2-20049/0478	07/30/77	40	2828	2305N 10425W	51.8	89.2	GGGG			32	44
2920-17562	00000/0000	2-20049/0652	07/30/77	90	2829	5132N 12041W	47.9	129.4	GGGG			50	24

KEY: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0055

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2920-21143	00000/0000	2-20049/0513	07/30/77	90	2831	7739N 13604W	30.8	181.2	GFGG			87	4
2920-21145	00000/0000	2-20049/0514	07/30/77	90	2831	7637N 14041W	31.8	176.2	GGGG			87	5
2920-21152	00000/0000	2-20049/0515	07/30/77	90	2831	7530N 14439W	32.8	171.8	GGGG			87	6
2920-21154	00000/0000	2-20049/0516	07/30/77	60	2831	7420N 14803W	33.8	167.9	GGGG			87	7
2920-21161	00000/0000	2-20049/0517	07/30/77	70	2831	7307N 15100W	34.7	164.4	GGGG			86	8
2921-00501	00000/0000	2-20049/1012	07/31/77	50	2833	4843N 13442E	49.0	125.6	GGGG			122	26
2921-00503	00000/0000	2-20049/1013	07/31/77	90	2833	4719N 13406E	49.5	123.6	GGGG			122	27
2921-00510	00000/0000	2-20049/1014	07/31/77	90	2833	4554N 13331E	50.0	121.7	GGGG			122	28
2921-00512	00000/0000	2-20049/1015	07/31/77	80	2833	4429N 13258E	50.4	119.7	GGGG			122	29
2921-00515	00000/0000	2-20049/1016	07/31/77	80	2833	4304N 13226E	50.8	117.7	GGGG			122	30
2921-02323	00000/0000	2-20049/0414	07/31/77	70	2834	5130N 11010E	47.8	129.4	GGGG			140	24
2921-04150	00000/0000	2-20049/0415	07/31/77	30	2835	5421N 08551E	46.5	133.3	GGGG			158	22
2921-04152	00000/0000	2-20049/0416	07/31/77	50	2835	5258N 08506E	47.1	131.4	GGGF			158	23
2921-04155	00000/0000	2-20049/0417	07/31/77	60	2835	5134N 08424E	47.8	129.5	GGGG			158	24
2921-04161	00000/0000	2-20049/0418	07/31/77	50	2835	5010N 08345E	48.4	127.6	GFGG			158	25
2921-04164	00000/0000	2-20049/0419	07/31/77	60	2835	4845N 08306E	48.9	125.6	GGGG			158	26
2921-04170	00000/0000	2-20049/0183	07/31/77	60	2835	4720N 08230E	49.4	123.7	GGGG			158	27
2921-04173	00000/0000	2-20049/0184	07/31/77	70	2835	4555N 08155E	49.9	121.8	GGGG			158	28
2921-04175	00000/0000	2-20049/0185	07/31/77	90	2835	4430N 08122E	50.4	119.8	GGGG			158	29
2921-04182	00000/0000	2-20049/0186	07/31/77	50	2835	4306N 08050E	50.8	117.8	GGGG			158	30
2921-04184	00000/0000	2-20049/1055	07/31/77	90	2835	4141N 08019E	51.2	115.8	GGGF			158	31
2921-04191	00000/0000	2-20049/1056	07/31/77	80	2835	4016N 07949E	51.5	113.7	GGGG			158	32
2921-04193	00000/0000	2-20049/1057	07/31/77	60	2835	3850N 07921E	51.8	111.7	FGGF			158	33
2921-04200	00000/0000	2-20049/1058	07/31/77	30	2835	3725N 07853E	52.0	109.7	GGGF			158	34
2921-04202	00000/0000	2-20049/1059	07/31/77	20	2835	3600N 07827E	52.2	107.6	GGGG			158	35
2921-04211	00000/0000	2-20049/1060	07/31/77	50	2835	3308N 07734E	52.4	103.5	GGGG			158	37
2921-04252	00000/0000	2-20049/1061	07/31/77	80	2835	1848N 07343E	50.8	83.8	GGGG			158	47
2921-05570	00000/0000	2-20049/0187	07/31/77	40	2836	5831N 06231E	44.3	138.9	GGGG			176	19
2921-05573	00000/0000	2-20049/0188	07/31/77	60	2836	5708N 06138E	45.1	137.0	GGGG			176	20
2921-05575	00000/0000	2-20049/0189	07/31/77	50	2836	5544N 06048E	45.8	135.1	GGGG			176	21
2921-05582	00000/0000	2-20049/0190	07/31/77	70	2836	5420N 06001E	46.5	133.3	GGGG			176	22
2921-05584	00000/0000	2-20049/0191	07/31/77	70	2836	5257N 05916E	47.1	131.4	GGGG			176	23
2921-05591	00000/0000	2-20049/0192	07/31/77	10	2836	5133N 05834E	47.8	129.5	GGGG			176	24
2921-05593	00000/0000	2-20049/0193	07/31/77	10	2836	5008N 05754E	48.4	127.6	GGGG			176	25
2921-06000	00000/0000	2-20049/0194	07/31/77	10	2836	4844N 05716E	48.9	125.7	GGGG			176	26
2921-06002	00000/0000	2-20049/1062	07/31/77	10	2836	4720N 05640E	49.4	123.7	GGGF			176	27

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 120 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2921-06005	00000/0000	2-20049/1063	07/31/77	10	2836	4555N	05605E	49.9	121.8	GGGG		176	28
2921-06011	00000/0000	2-20049/1064	07/31/77	40	2836	4430N	05532E	50.4	119.8	FGGF		176	29
2921-06014	00000/0000	2-20049/1065	07/31/77	10	2836	4305N	05500E	50.8	117.5	GGGG		176	30
2921-06020	00000/0000	2-20049/1066	07/31/77	20	2836	4140N	05429E	51.2	115.8	FFFF		176	31
2921-06025	00000/0000	2-20049/0195	07/31/77	10	2836	3849N	05331E	51.5	111.7	GGG		176	33
2921-06032	00000/0000	2-20049/0196	07/31/77	10	2836	3724N	05304E	52.0	109.7	GGG		176	34
2921-06034	00000/0000	2-20049/0197	07/31/77	10	2836	3558N	05237E	52.2	107.6	GGGG		176	35
2921-06041	00000/0000	2-20049/0198	07/31/77	10	2836	3433N	05210E	52.3	105.5	GGGG		176	36
2921-06043	00000/0000	2-20049/0199	07/31/77	0	2836	3307N	05145E	52.4	103.5	GGGG		176	37
2921-06050	00000/0000	2-20049/0200	07/31/77	0	2836	3141N	05120E	52.5	101.4	GGGG		176	38
2921-06052	00000/0000	2-20049/0201	07/31/77	0	2836	3016N	05055E	52.5	99.4	GGGG		176	39
2921-07395	00000/0000	2-20049/1838	07/31/77	10	2837	5953N	03742E	43.5	140.8	GGGG		194	18
2921-07402	00000/0000	2-20049/1839	07/31/77	10	2837	5831N	03644E	44.3	138.5	FFGF		194	19
2921-07404	00000/0000	2-20049/1840	07/31/77	20	2837	5707N	03550E	45.0	137.0	GGGG		194	20
2921-07411	00000/0000	2-20049/1841	07/31/77	50	2837	5544N	03500E	45.8	135.1	GFGG		194	21
2921-07413	00000/0000	2-20049/1842	07/31/77	80	2837	5420N	03413E	46.5	133.3	GGGG		194	22
2921-07420	00000/0000	2-20049/1843	07/31/77	90	2837	5256N	03329E	47.1	131.4	GGGG		194	23
2921-07434	00000/0000	2-20049/1844	07/31/77	10	2837	4719N	03053E	49.4	123.7	GGGG		194	27
2921-07440	00000/0000	2-20049/1845	07/31/77	30	2837	4554N	03018E	49.9	121.8	GGPF		194	28
2921-07443	00000/0000	2-20049/1846	07/31/77	10	2837	4429N	02945E	50.4	119.8	GGGF		194	29
2921-14352	00000/0000	2-20049/1603	07/31/77	10	2841	5132N	07028W	47.7	129.5	GGGG		15	24
2921-14355	00000/0000	2-20049/1604	07/31/77	30	2841	5008N	07108W	48.3	127.6	GGGG		15	25
2921-14361	00000/0000	2-20049/1605	07/31/77	70	2841	4844N	07146W	48.8	125.7	GGGG		15	26
2921-14470	00000/0000	2-20049/0420	07/31/77	50	2841	1135N	08253W	48.3	75.5	GGGG		15	52
2921-14473	00000/0000	2-20049/0421	07/31/77	80	2841	1009N	08313W	47.7	74.0	GGGG		15	53
2921-14475	00000/0000	2-20049/0422	07/31/77	80	2841	0842N	08333W	47.1	72.6	GGGG		15	54
2921-16182	00000/0000	2-20049/0978	07/31/77	40	2842	5257N	09534W	47.0	131.4	GGGG		33	23
2921-16184	00000/0000	2-20049/0979	07/31/77	10	2842	5133N	09616W	47.7	129.5	GGGG		33	24
2921-16261	00000/0000	2-20049/0980	07/31/77	10	2842	2557N	10506W	52.1	93.5	GGGG		33	42
2921-16264	00000/0000	2-20049/0981	07/31/77	10	2842	2431N	10528W	52.0	91.5	GGGG		33	43
2921-16270	00000/0000	2-20049/0982	07/31/77	10	2842	2305N	10551W	51.7	89.5	GGGG		33	44
2921-18045	00000/0000	2-20049/0518	07/31/77	20	2843	4139N	12611W	51.1	115.9	GGFG		51	31
2921-21192	00000/0000	2-20049/1072	07/31/77	80	2845	7927N	12553W	28.5	193.6	GFGG		88	2
2921-21194	00000/0000	2-20049/1073	07/31/77	90	2845	7837N	13211W	29.5	187.0	GGGG		88	3
2921-21201	00000/0000	2-20049/1074	07/31/77	90	2845	7739N	13737W	30.5	181.2	GGGG		88	4
2921-21203	00000/0000	2-20049/1075	07/31/77	90	2845	7636N	14214W	31.5	176.2	FGGG		88	5

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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
								123 45678				
2921-21210	00000/0000 2-20049/1076	07/31/77	90	2845	7530N	14609W	32.5 171.8	FGGG			88	6
2921-21212	00000/0000 2-20049/1077	07/31/77	80	2845	7421N	14932W	33.5 167.9	GGGG			88	7
2921-21215	00000/0000 2-20049/1078	07/31/77	50	2845	7308N	15229W	34.5 164.5	GGGG			88	8
2922-00564	00000/0000 2-20049/0423	08/01/77	30	2847	4554N	13204E	49.8 121.9	GGGG			123	28
2922-00570	00000/0000 2-20049/0426	08/01/77	70	2847	4429N	13132E	50.2 120.0	GGGG			123	29
2922-00573	00000/0000 2-20049/0425	08/01/77	90	2847	4305N	13100E	50.7 118.0	GGFF			123	30
2922-02382	00000/0000 2-20049/1354	08/01/77	40	2848	5131N	10847E	47.6 129.6	GGGG			141	24
2922-04195	00000/0000 2-20049/1356	08/01/77	90	2849	5708N	08601E	44.8 137.2	FFFF			159	20
2922-04202	00000/0000 2-20049/1356	08/01/77	90	2849	5545N	08511E	45.6 135.3	GGGG			159	21
2922-04204	00000/0000 2-20049/1357	08/01/77	60	2849	5422N	08424E	46.3 133.4	GGGG			159	22
2922-04211	00000/0000 2-20049/1358	08/01/77	60	2849	5257N	08339E	46.9 131.6	GGGG			159	23
2922-04213	00000/0000 2-20049/1359	08/01/77	70	2849	5133N	08257E	47.5 129.7	GGGG			159	24
2922-04220	00000/0000 2-20049/1360	08/01/77	70	2849	5009N	08218E	48.2 127.8	GGGG			159	25
2922-04222	00000/0000 2-20049/1369	08/01/77	80	2849	4845N	08140E	48.7 125.9	FF			159	26
2922-04225	00000/0000 2-20049/1370	08/01/77	30	2849	4720N	08104E	49.2 123.9	F			159	27
2922-04231	00000/0000 2-20049/1371	08/01/77	20	2849	4555N	08029E	49.7 122.0	GG			159	28
2922-04234	00000/0000 2-20049/1361	08/01/77	30	2849	4430N	07956E	50.2 120.0	GGGG			159	29
2922-04240	00000/0000 2-20049/1362	08/01/77	10	2849	4306N	07924E	50.6 118.1	GGGG			159	30
2922-04243	00000/0000 2-20049/1363	08/01/77	20	2849	4141N	07853E	51.0 116.1	GGGG			159	31
2922-04245	00000/0000 2-20049/1364	08/01/77	10	2849	4016N	07823E	51.3 114.0	FGGG			159	32
2922-04252	00000/0000 2-20049/1365	08/01/77	10	2849	3851N	07755E	51.6 112.0	FFGG			159	33
2922-04254	00000/0000 2-20049/1366	08/01/77	10	2849	3725N	07727E	51.9 110.0	GGGG			159	34
2922-04261	00000/0000 2-20049/1367	08/01/77	20	2849	3559N	07659E	52.0 107.9	GGGG			159	35
2922-04272	00000/0000 2-20049/1368	08/01/77	80	2849	3142N	07541E	52.4 101.8	FFGG			159	38
2922-06024	00000/0000 2-20049/1154	08/01/77	10	2850	5831N	06107E	44.1 139.1	GGGG			177	19
2922-06031	00000/0000 2-20049/1157	08/01/77	10	2850	5708N	06014E	44.8 137.2	GGGG			177	20
2922-06033	00000/0000 2-20049/1158	08/01/77	10	2850	5545N	05924E	45.5 135.3	GGGG			177	21
2922-06040	00000/0000 2-20049/1159	08/01/77	10	2850	5422N	05836E	46.2 133.4	GGGG			177	22
2922-06042	00000/0000 2-20049/1160	08/01/77	10	2850	5258N	05751E	46.9 131.6	GGGG			177	23
2922-06045	00000/0000 2-20049/1161	08/01/77	10	2850	5134N	05709E	47.5 129.7	GGGG			177	24
2922-06051	00000/0000 2-20049/1162	08/01/77	10	2850	5009N	05629E	48.1 127.8	GGGG			177	25
2922-06054	00000/0000 2-20049/1163	08/01/77	20	2850	4845N	05551E	48.7 125.9	GGGG			177	26
2922-06060	00000/0000 2-20049/1067	08/01/77	40	2850	4720N	05514E	49.2 123.9	GGGG			177	27
2922-06063	00000/0000 2-20049/1068	08/01/77	70	2850	4556N	05440E	49.7 122.0	FFFF			177	28
2922-06065	00000/0000 2-20049/1069	08/01/77	60	2850	4431N	05407E	50.2 120.0	GGGG			177	29
2922-06072	00000/0000 2-20049/1070	08/01/77	30	2850	4305N	05335E	50.6 118.1	GGGG			177	30

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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	ROLL NO./ MSS	DATE ACQUIRED	CLOUD COVER	SUN ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	PRINCIPAL POINT OF IMAGE LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2922-06074	00000/0000	2=20049/1071	08/01/77	40	2850	4140N	05305E	51.0	116.1	FFFF				177	31
2922-06083	00000/0000	2=20049/1164	08/01/77	50	2850	3849N	05207E	51.6	112.0	GGGG				177	33
2922-06090	00000/0000	2=20049/1165	08/01/77	70	2850	3724N	05139E	51.8	110.0	GGGF				177	34
2922-06092	00000/0000	2=20049/1166	08/01/77	10	2850	3559N	05112E	52.0	107.9	GGGG				177	35
2922-06095	00000/0000	2=20049/1167	08/01/77	10	2850	3433N	05046E	52.2	105.9	GGGF				177	36
2922-06101	00000/0000	2=20049/1093	08/01/77	10	2850	3307N	05020E	52.3	103.8	GGGG				177	37
2922-06104	00000/0000	2=20049/1094	08/01/77	10	2850	3141N	04965E	52.4	101.8	GGGG				177	38
2922-06110	00000/0000	2=20049/1095	08/01/77	10	2850	3016N	04931E	52.4	99.7	FFFF				177	39
2922-07462	00000/0000	2=20049/1734	08/01/77	50	2851	5707N	03424E	44.8	137.2	FFFF				195	20
2922-07465	00000/0000	2=20049/1735	08/01/77	60	2851	5544N	03334E	45.5	135.3	FFFF				195	21
2922-07471	00000/0000	2=20049/1736	08/01/77	70	2851	5420N	03246E	46.2	133.4	GGGG				195	22
2922-07474	00000/0000	2=20049/1737	08/01/77	70	2851	5256N	03202E	46.9	131.5	FFFF				195	23
2922-07480	00000/0000	2=20049/1738	08/01/77	50	2851	5132N	03120E	47.5	129.7	FFFF				195	24
2922-07483	00000/0000	2=20049/1739	08/01/77	30	2851	5008N	03040E	48.1	127.8	FFGF				195	25
2922-07485	00000/0000	2=20049/1740	08/01/77	20	2851	4843N	03003E	48.7	125.9	FFFF				195	26
2922-07492	00000/0000	2=20049/1741	08/01/77	30	2851	4719N	02927E	49.2	123.9	FFFF				195	27
2922-14531	00000/0000	2=20049/1096	08/01/77	50	2855	1008N	08440W	47.7	74.4	GGGG				16	53
2922-14534	00000/0000	2=20049/1097	08/01/77	40	2855	0842N	08500W	47.1	72.4	GGGG				16	54
2922-16242	00000/0000	2=20049/1111	08/01/77	40	2856	5133N	09744W	47.4	129.7	GGGG				34	24
2922-16313	00000/0000	2=20049/1112	08/01/77	10	2856	2723N	10609W	52.2	95.8	GGGG				34	41
2922-16315	00000/0000	2=20049/1113	08/01/77	10	2856	2557N	10633W	52.1	93.8	GGGG				34	42
2922-16322	00000/0000	2=20049/1114	08/01/77	30	2856	2431N	10656W	51.9	91.9	GGGG				34	43
2922-16324	00000/0000	2=20049/1115	08/01/77	40	2856	2304N	10718W	51.7	89.9	GGGG				34	44
2922-18062	00000/0000	2=20049/1703	08/01/77	20	2857	5543N	12121W	45.4	135.3	FGG				52	21
2922-18065	00000/0000	2=20049/1704	08/01/77	20	2857	5419N	12208W	46.1	133.5	PGG				52	22
2922-18071	00000/0000	2=20049/1705	08/01/77	20	2857	5256N	12252W	46.8	131.6	GPFF				52	23
2922-18074	00000/0000	2=20049/1706	08/01/77	10	2857	5132N	12333W	47.4	129.7	GPFF				52	24
2922-18094	00000/0000	2=20049/1707	08/01/77	10	2857	4429N	12635W	50.1	120.1	GFGF				52	29
2922-18101	00000/0000	2=20049/1708	08/01/77	20	2857	4304N	12707W	50.5	118.2	PGF				52	30
2922-20091	00000/0000	2=20049/1098	08/01/77	60	2858	1129S	16703W	35.6	57.9	GGGG			H	70	68
2922-20094	00000/0000	2=20049/1099	08/01/77	60	2858	1255S	16723W	34.6	57.2	GGGG			H	70	69
2922-20100	00000/0000	2=20049/1100	08/01/77	50	2858	1422S	16744W	33.7	56.5	GGGG			H	70	70
2922-20103	00000/0000	2=20049/1101	08/01/77	50	2858	1549S	16804W	32.7	55.9	GGGG			H	70	71
2922-20105	00000/0000	2=20049/1102	08/01/77	60	2858	1715S	16826W	31.6	55.3	GGGG			H	70	72
2922-21243	00000/0000	2=20049/1253	08/01/77	100	2859	8010N	12012W	27.2	201.1	GGGG				90	1
2922-21250	00000/0000	2=20049/1254	08/01/77	100	2859	7928N	12729W	28.2	193.5	GGGG				90	2

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 08/01/77 TO 08/31/77

PAGE 0059

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	I RSV	GE-QUAL MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2922-21252	00000/0000	2-20049/1300	08/01/77	100	2859	7837N	13345W	29.2	186.9		GGGG			89	3
2922-21255	00000/0000	2-20049/1301	08/01/77	100	2859	7740N	13908W	30.3	181.2		GGGG			89	4
2922-21261	00000/0000	2-20049/1302	08/01/77	100	2859	7637N	14344W	31.3	176.2		GGGG			89	5
2922-21264	00000/0000	2-20049/1303	08/01/77	100	2859	7530N	14741W	32.3	171.8		GGGG			89	6
2922-21270	00000/0000	2-20049/1304	08/01/77	90	2859	7420N	15104W	33.3	167.9		GGGG			89	7
2922-21273	00000/0000	2-20049/1305	08/01/77	20	2859	7308N	15359W	34.3	164.5		GGGG			89	8
2923-01013	00000/0000	2-20049/1103	08/02/77	90	2861	4842N	13150E	48.6	126.0		GGGG			124	26
2923-01020	00000/0000	2-20049/1104	08/02/77	60	2861	4718N	13114E	49.1	124.1		GGGG			124	27
2923-01022	00000/0000	2-20049/1105	08/02/77	40	2861	4554N	13039E	49.6	122.2		GGGG			124	28
2923-01025	00000/0000	2-20049/1106	08/02/77	40	2861	4428N	13006E	50.0	120.2		GGGG			124	29
2923-01031	00000/0000	2-20049/1107	08/02/77	50	2861	4303N	12935E	50.5	118.2		GGGG			124	30
2923-01034	00000/0000	2-20049/1108	08/02/77	40	2861	4139N	12905E	50.8	116.2		GGGG			124	31
2923-01040	00000/0000	2-20049/1109	08/02/77	60	2861	4014N	12835E	51.2	114.2		GGGG			124	32
2923-01043	00000/0000	2-20049/1110	08/02/77	70	2861	3848N	12807E	51.5	112.2		GGFG			124	33
2923-02440	00000/0000	2-20049/1168	08/02/77	80	2862	5134N	10722E	47.3	129.9		GGGF			142	24
2923-02442	00000/0000	2-20049/1169	08/02/77	90	2862	5010N	10642E	47.9	128.0		GGGG			142	25
2923-02483	00000/0000	2-20049/1170	08/02/77	90	2862	3559N	10124E	51.9	108.2		GGFF			142	35
2923-04260	00000/0000	2-20049/1714	08/02/77	30	2863	5545N	08344E	45.3	135.4		GGGG			160	21
2923-04262	00000/0000	2-20049/1715	08/02/77	80	2863	5422N	08257E	46.0	133.6		GGGG			160	22
2923-04265	00000/0000	2-20049/1171	08/02/77	90	2863	5257N	08213E	46.7	131.7		FGGG			160	23
2923-04271	00000/0000	2-20049/1172	08/02/77	90	2863	5133N	08131E	47.3	129.9		GGGG			160	24
2923-04274	00000/0000	2-20049/1173	08/02/77	90	2863	5010N	08051E	47.9	128.0		FGGG			160	25
2923-04280	00000/0000	2-20049/1174	08/02/77	90	2863	4845N	08013E	48.5	126.1		FGGG			160	26
2923-04283	00000/0000	2-20049/1175	08/02/77	10	2863	4721N	07937E	49.0	124.2		GGGG			160	27
2923-04285	00000/0000	2-20049/1230	08/02/77	0	2863	4556N	07902E	49.5	122.2		GGGG			160	28
2923-04292	00000/0000	2-20049/1231	08/02/77	20	2863	4431N	07829E	50.0	120.3		GGGG			160	29
2923-04294	00000/0000	2-20049/1232	08/02/77	20	2863	4306N	07757E	50.4	118.3		GGGG			160	30
2923-04301	00000/0000	2-20049/1233	08/02/77	20	2863	4141N	07727E	50.8	116.3		GGGG			160	31
2923-04303	00000/0000	2-20049/1234	08/02/77	30	2863	4015N	07658E	51.2	114.3		GGGG			160	32
2923-04310	00000/0000	2-20049/1235	08/02/77	10	2863	3850N	07629E	51.4	112.3		GGGG			160	33
2923-04312	00000/0000	2-20049/1236	08/02/77	10	2863	3725N	07602E	51.7	110.3		GGGG			160	34
2923-04315	00000/0000	2-20049/1237	08/02/77	10	2863	3600N	07535E	51.9	108.3		GGGG			160	35
2923-04321	00000/0000	2-20049/1238	08/02/77	20	2863	3434N	07508E	52.1	106.2		GGGG			160	36
2923-04324	00000/0000	2-20049/1239	08/02/77	80	2863	3308N	07441E	52.2	104.2		GGGG			160	37
2923-04330	00000/0000	2-20049/1240	08/02/77	50	2863	3142N	07416E	52.2	102.1		GGGG			160	38
2923-04333	00000/0000	2-20049/1081	08/02/77	30	2863	3015N	07352E	52.3	100.1		GGGF			160	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0060

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2923-04335	00000/0000	2-20049/1080	08/02/77	60	2863	2849N 07329E	52.2	98.1	G GG			160	40
2923-04342	00000/0000	2-20049/1082	08/02/77	80	2863	2723N 07305E	52.1	96.1	GGGG			160	41
2923-04344	00000/0000	2-20049/1083	08/02/77	90	2863	2558N 07242E	52.0	94.1	GGFF			160	42
2923-04351	00000/0000	2-20049/1084	08/02/77	90	2863	2432N 07219E	51.9	92.1	GGFF			160	43
2923-04353	00000/0000	2-20049/1085	08/02/77	80	2863	2306N 07186E	51.6	90.2	GGGG			160	44
2923-04360	00000/0000	2-20049/1086	08/02/77	80	2863	2140N 07134E	51.4	88.3	GGFF			160	45
2923-04362	00000/0000	2-20049/1087	08/02/77	80	2863	2014N 07112E	51.1	86.4	FFFF			160	46
2923-04365	00000/0000	2-20049/1088	08/02/77	60	2863	1848N 07051E	50.7	84.6	GGGG			160	47
2923-06091	00000/0000	2-20049/1214	08/02/77	20	2864	5544N 05756E	45.3	135.4	GGG			178	21
2923-06094	00000/0000	2-20049/1215	08/02/77	10	2864	5421N 05709E	44.0	133.6	FGGG			178	22
2923-06100	00000/0000	2-20049/1216	08/02/77	10	2864	5257N 05625E	46.7	131.7	GGGG			178	23
2923-06103	00000/0000	2-20049/1217	08/02/77	30	2864	5132N 05542E	47.3	129.9	FGGG			178	24
2923-06105	00000/0000	2-20049/1218	08/02/77	50	2864	5008N 05503E	47.9	128.0	GGGF			178	25
2923-06112	00000/0000	2-20049/1219	08/02/77	50	2864	4844N 05425E	48.5	126.1	GGFG			178	26
2923-06114	00000/0000	2-20049/1089	08/02/77	70	2864	4719N 05349E	49.0	124.2	GGGG			178	27
2923-06121	00000/0000	2-20049/1090	08/02/77	90	2864	4554N 05314E	49.5	122.2	GGFF			178	28
2923-06123	00000/0000	2-20049/1091	08/02/77	70	2864	4430N 05240E	50.0	120.3	GG F			178	29
2923-06130	00000/0000	2-20049/1092	08/02/77	60	2864	4305N 05209E	50.4	118.3	FF F			178	30
2923-06144	00000/0000	2-20049/1220	08/02/77	60	2864	3723N 05014E	51.7	110.3	GGFG			178	34
2923-06153	00000/0000	2-20049/1221	08/02/77	10	2864	3432N 04920E	52.1	106.2	GGGG			178	36
2923-06155	00000/0000	2-20049/1222	08/02/77	10	2864	3306N 04885E	52.2	104.2	GGGG			178	37
2923-06162	00000/0000	2-20049/1223	08/02/77	10	2864	3141N 04829E	52.2	102.1	GGGG			178	38
2923-06164	00000/0000	2-20049/1224	08/02/77	0	2864	3016N 04805E	52.2	100.1	GGGG			178	39
2923-07505	00000/0000	2-20049/1847	08/02/77	60	2865	6116N 03543E	42.3	143.0	GGGG			196	17
2923-07511	00000/0000	2-20049/1848	08/02/77	60	2865	5953N 03447E	43.1	141.1	GGGG			196	18
2923-07514	00000/0000	2-20049/1849	08/02/77	50	2865	5830N 03380E	43.8	139.2	GGGG			196	19
2923-07520	00000/0000	2-20049/1850	08/02/77	40	2865	5707N 03257E	44.6	137.3	GGGG			196	20
2923-07523	00000/0000	2-20049/1851	08/02/77	40	2865	5544N 03207E	45.3	135.4	GGGG			196	21
2923-07525	00000/0000	2-20049/1852	08/02/77	70	2865	5420N 03119E	46.0	133.6	FFFF			196	22
2923-07532	00000/0000	2-20049/1853	08/02/77	90	2865	5256N 03035E	46.7	131.7	PPPP			196	23
2923-07534	00000/0000	2-20049/1854	08/02/77	50	2865	5132N 02953E	47.3	129.9	PPPP			196	24
2923-07541	00000/0000	2-20049/1855	08/02/77	50	2865	5007N 02913E	47.9	128.0	FFFF			196	25
2923-07543	00000/0000	2-20049/1856	08/02/77	60	2865	4843N 02836E	48.5	126.1	FFFF			196	26
2923-07550	00000/0000	2-20049/1857	08/02/77	50	2865	4718N 02800E	49.0	124.2	GGGG			196	27
2923-07552	00000/0000	2-20049/1858	08/02/77	80	2865	4553N 02725E	49.5	122.2	PPPP			196	28
2923-16371	00000/0000	2-20049/1116	08/02/77	10	2870	2723N 10737W	52.1	96.2	GGGG			35	41

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0061

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2923-16373	00000/0000	2=20049/1117	08/02/77	30	2870 2557N 10800W	52.0	94.2	GGGG			35	42
2923-16380	00000/0000	2=20049/1118	08/02/77	40	2870 2430N 10823W	51.8	92.3	GGGG			35	43
2923-16382	00000/0000	2=20049/1119	08/02/77	20	2870 2304N 10845W	51.6	90.3	GGGF			35	44
2923-20145	00000/0000	2=20049/1228	08/02/77	50	2872 1127S 16829W	35.8	58.2	GGGG		H	71	68
2923-20152	00000/0000	2=20049/1226	08/02/77	60	2872 1253S 16849W	34.8	57.5	GGGG		H	71	69
2923-20154	00000/0000	2=20049/1227	08/02/77	50	2872 1419S 16910W	33.8	56.8	GGGG		H	71	70
2923-20161	00000/0000	2=20049/1228	08/02/77	40	2872 1545S 16931W	32.8	56.1	GGGG		H	71	71
2923-20163	00000/0000	2=20049/1229	08/02/77	70	2872 1712S 16952W	31.8	55.5	GGGG		H	71	72
2923-21301	00000/0000	2=20049/1289	08/02/77	100	2873 8009N 12141W	26.9	201.0	GGFG			91	1
2923-21304	00000/0000	2=20049/1290	08/02/77	100	2873 7927N 12854W	28.0	193.5	GGGG			90	2
2923-21310	00000/0000	2=20049/1291	08/02/77	100	2873 7836N 13508W	29.0	186.9	GGGG			90	3
2923-21313	00000/0000	2=20049/1292	08/02/77	100	2873 7738N 14029W	30.0	181.2	GGGG			90	4
2923-21315	00000/0000	2=20049/1293	08/02/77	100	2873 7636N 14505W	31.0	176.2	GGGG			90	5
2923-21322	00000/0000	2=20049/1294	08/02/77	90	2873 7529N 14901W	32.0	171.8	GGGG			90	6
2923-21324	00000/0000	2=20049/1295	08/02/77	90	2873 7420N 15225W	33.0	167.9	GGGG			90	7
2923-21331	00000/0000	2=20049/1294	08/02/77	70	2873 7308N 15520W	34.0	164.5	GGGG			90	8
2924-01071	00000/0000	2=20049/1241	08/03/77	10	2875 4842N 13024E	48.3	126.2	GGFG			125	26
2924-01074	00000/0000	2=20049/1242	08/03/77	30	2875 4718N 12947E	48.9	124.3	GG G			125	27
2924-01080	00000/0000	2=20049/1243	08/03/77	60	2875 4553N 12912E	49.4	122.4	GG G			125	28
2924-01083	00000/0000	2=20049/1244	08/03/77	90	2875 4428N 12839E	49.9	120.5	GGFG			125	29
2924-01085	00000/0000	2=20049/1245	08/03/77	100	2875 4303N 12808E	50.3	118.5	GGFG			125	30
2924-01092	00000/0000	2=20049/1246	08/03/77	100	2875 4138N 12738E	50.7	116.5	GGFG			125	31
2924-01094	00000/0000	2=20049/1247	08/03/77	90	2875 4013N 12709E	51.0	114.5	GGFG			125	32
2924-01101	00000/0000	2=20049/1248	08/03/77	90	2875 3848N 12640E	51.3	112.5	GG F			125	33
2924-02541	00000/0000	2=20049/1176	08/03/77	20	2876 3559N 09959E	51.8	108.6	GGGG			143	35
2924-04311	00000/0000	2=20049/1177	08/03/77	100	2877 5708N 08309E	44.4	137.5	GFGG			161	20
2924-04314	00000/0000	2=20049/1178	08/03/77	90	2877 5545N 08218E	45.1	135.6	FGGG			161	21
2924-04320	00000/0000	2=20049/1179	08/03/77	30	2877 5421N 08131E	45.8	133.8	GGGG			161	22
2924-04323	00000/0000	2=20049/1180	08/03/77	30	2877 5257N 08047E	46.5	131.9	GGGG			161	23
2924-04325	00000/0000	2=20049/1181	08/03/77	50	2877 5133N 08005E	47.1	130.0	GGGG			161	24
2924-04332	00000/0000	2=20049/1182	08/03/77	80	2877 5008N 07926E	47.7	128.2	GGGG			161	25
2924-04334	00000/0000	2=20049/1183	08/03/77	70	2877 4844N 07848E	48.3	126.3	GGGG			161	26
2924-04341	00000/0000	2=20049/1184	08/03/77	10	2877 4719N 07811E	48.8	124.4	GGGG			161	27
2924-04343	00000/0000	2=20049/1185	08/03/77	0	2877 4555N 07737E	49.3	122.5	FGGG			161	28
2924-04350	00000/0000	2=20049/1186	08/03/77	10	2877 4430N 07703E	49.8	120.5	GGGG			161	29
2924-04352	00000/0000	2=20049/1187	08/03/77	10	2877 4305N 07631E	50.2	118.6	GGGG			161	30

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2924-04355	00000/0000	2-20050/0485	08/03/77	10	2877	4141N	07401E	50.6	116.6	GGGG			161	31
2924-04361	00000/0000	2-20050/0486	08/03/77	20	2877	4015N	07531E	51.0	114.6	GGGG			161	32
2924-04364	00000/0000	2-20050/0487	08/03/77	40	2877	3849N	07502E	51.3	112.6	GGGG			161	33
2924-04370	00000/0000	2-20050/0488	08/03/77	20	2877	3723N	07434E	51.5	110.6	GGGG			161	34
2924-04373	00000/0000	2-20049/1188	08/03/77	10	2877	3558N	07407E	51.8	108.6	GGGG			161	35
2924-04375	00000/0000	2-20049/1189	08/03/77	60	2877	3433N	07340E	51.9	106.6	GGGG			161	36
2924-06140	00000/0000	2-20049/1716	08/03/77	10	2878	5830N	05812E	43.6	139.3	GGGG			179	19
2924-06143	00000/0000	2-20049/1717	08/03/77	20	2878	5707N	05718E	44.4	137.5	GGGG			179	20
2924-06145	00000/0000	2-20049/1196	08/03/77	50	2878	5544N	05628E	45.1	135.6	GGGG			179	21
2924-06152	00000/0000	2-20049/1197	08/03/77	20	2878	5420N	05561E	45.8	133.8	GGGG			179	22
2924-06154	00000/0000	2-20049/1198	08/03/77	10	2878	5256N	05487E	46.5	131.9	GGGG			179	23
2924-06161	00000/0000	2-20049/1199	08/03/77	10	2878	5133N	05415E	47.1	130.0	GGGG			179	24
2924-06163	00000/0000	2-20049/1200	08/03/77	40	2878	5008N	05335E	47.7	128.2	GGGG			179	25
2924-06170	00000/0000	2-20049/1201	08/03/77	30	2878	4844N	05257E	48.3	126.3	GGGG			179	26
2924-06195	00000/0000	2-20049/1317	08/03/77	40	2878	3848N	04913E	51.3	112.6	FGGG			179	33
2924-06202	00000/0000	2-20049/1318	08/03/77	30	2878	3723N	04845E	51.5	110.6	GGGG			179	34
2924-06204	00000/0000	2-20049/1319	08/03/77	10	2878	3557N	04819E	51.7	108.6	FFFF			179	35
2924-06211	00000/0000	2-20049/1320	08/03/77	10	2878	3432N	04752E	51.9	106.6	GGGG			179	36
2924-06213	00000/0000	2-20049/1321	08/03/77	0	2878	3306N	04727E	52.0	104.5	FGGG			179	37
2924-06220	00000/0000	2-20049/1322	08/03/77	0	2878	3140N	04701E	52.1	102.5	GGGG			179	38
2924-07563	00000/0000	2-20049/1306	08/03/77	30	2879	6115N	03424E	42.0	143.1	GGGG			197	17
2924-07565	00000/0000	2-20049/1307	08/03/77	70	2879	5953N	03322E	42.8	141.2	GGGG			197	18
2924-07572	00000/0000	2-20049/1308	08/03/77	70	2879	5830N	03225E	43.6	139.3	FFFF			197	19
2924-07574	00000/0000	2-20049/1309	08/03/77	30	2879	5707N	03132E	44.3	137.4	GGGG			197	20
2924-07581	00000/0000	2-20049/1310	08/03/77	10	2879	5543N	03042E	45.1	135.6	GGGG			197	21
2924-07583	00000/0000	2-20049/1311	08/03/77	40	2879	5420N	02955E	45.8	133.8	GGGG			197	22
2924-07590	00000/0000	2-20049/1312	08/03/77	90	2879	5256N	02910E	46.5	131.9	GGGG			197	23
2924-07592	00000/0000	2-20049/1313	08/03/77	90	2879	5132N	02829E	47.1	130.0	FFFF			197	24
2924-07595	00000/0000	2-20049/1314	08/03/77	90	2879	5008N	02749E	47.7	128.2	FFFF			197	25
2924-08001	00000/0000	2-20049/1315	08/03/77	80	2879	4843N	02711E	48.3	126.3	FFFF			197	26
2924-08004	00000/0000	2-20049/1316	08/03/77	50	2879	4719N	02634E	48.8	124.4	GGGG			197	27
2924-16425	00000/0000	2-20049/1379	08/03/77	10	2884	2723N	10902W	52.0	96.6	GGGG			36	41
2924-16431	00000/0000	2-20049/1380	08/03/77	10	2884	2557N	10925W	51.9	94.6	GGGG			36	42
2924-16440	00000/0000	2-20049/1381	08/03/77	20	2884	2305N	11010W	51.5	90.7	GGGG			36	44
2924-20203	00000/0000	2-20049/1323	08/03/77	90	2886	1127S	16956W	35.9	58.5	GGGG		H	72	68
2924-20210	00000/0000	2-20049/1324	08/03/77	70	2886	1253S	17017W	34.9	57.7	GGGG		H	72	69

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0063

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2924-20212	00000/0000	2-20049/1325	08/03/77	70	2886	14208	17037W	34.0	57.0	FFFF	H	72	70
2924-20215	00000/0000	2-20049/1326	08/03/77	50	2886	15468	17058W	33.0	56.4	GGGG	H	72	71
2924-20221	00000/0000	2-20049/1327	08/03/77	60	2886	17128	17118W	32.0	55.8	GGGG	H	72	72
2924-21360	00000/0000	2-20049/1695	08/03/77	100	2887	8010N	12314W	26.7	200.9	GGGG		92	1
2924-21362	00000/0000	2-20049/1696	08/03/77	90	2887	7927N	13027W	27.7	193.5	GGGG		92	2
2924-21365	00000/0000	2-20049/1697	08/03/77	100	2887	7836N	13640W	28.7	186.9	GGGG		91	3
2924-21371	00000/0000	2-20049/1698	08/03/77	100	2887	7739N	14200W	29.8	181.1	GGGG		91	4
2924-21374	00000/0000	2-20049/1699	08/03/77	40	2887	7636N	14637W	30.8	176.2	GGGG		91	5
2924-21380	00000/0000	2-20049/1700	08/03/77	10	2887	7529N	15033W	31.8	171.8	GGGG		91	6
2924-21383	00000/0000	2-20049/1701	08/03/77	10	2887	7419N	15355W	32.8	168.0	GGGG		91	7
2924-21385	00000/0000	2-20049/1702	08/03/77	60	2887	7307N	15650W	33.7	164.5	GGGG		91	8
2925-01123	00000/0000	2-20049/1328	08/04/77	10	2889	5006N	12937E	47.6	128.3	GGG		126	25
2925-01125	00000/0000	2-20049/1329	08/04/77	10	2889	4842N	12859E	48.1	126.4	GGGG		126	26
2925-01132	00000/0000	2-20049/1330	08/04/77	10	2889	4717N	12823E	48.7	124.6	GGFG		126	27
2925-01134	00000/0000	2-20049/1331	08/04/77	10	2889	4553N	12748E	49.2	122.7	GFFG		126	28
2925-01141	00000/0000	2-20049/1332	08/04/77	40	2889	4428N	12715E	49.7	120.7	GGGG		126	29
2925-01143	00000/0000	2-20049/1333	08/04/77	60	2889	4303N	12644E	50.1	118.8	GGGG		126	30
2925-01150	00000/0000	2-20049/1334	08/04/77	90	2889	4138N	12613E	50.5	116.8	GGGG		126	31
2925-01152	00000/0000	2-20049/1335	08/04/77	90	2889	4013N	12544E	50.8	114.8	GGGG		126	32
2925-01155	00000/0000	2-20049/1336	08/04/77	80	2889	3848N	12515E	51.1	112.9	GGGG		126	33
2925-02545	00000/0000	2-20049/1213	08/04/77	100	2890	5257N	10511E	46.3	132.1	G		144	23
2925-02581	00000/0000	2-20050/0124	08/04/77	70	2890	4141N	10025E	50.5	116.9	GGGF		144	31
2925-02584	00000/0000	2-20050/0125	08/04/77	70	2890	4016N	09955E	50.8	114.9	FFFP		144	32
2925-02595	00000/0000	2-20050/0126	08/04/77	90	2890	3559N	09832E	51.6	108.9	FGFF		144	35
2925-03002	00000/0000	2-20050/0127	08/04/77	40	2890	3433N	09806E	51.8	106.9	FQGG		144	36
2925-03004	00000/0000	2-20050/0128	08/04/77	10	2890	3308N	09740E	51.9	104.9	F GF		144	37
2925-03011	00000/0000	2-20050/0129	08/04/77	20	2890	3143N	09716E	52.0	102.8	FFGG		144	38
2925-03013	00000/0000	2-20050/0130	08/04/77	60	2890	3016N	09651E	52.0	100.8	GGGG		144	39
2925-03020	00000/0000	2-20050/0131	08/04/77	40	2890	2850N	09626E	52.0	98.8	GGGG		144	40
2925-03022	00000/0000	2-20050/0132	08/04/77	80	2890	2724N	09602E	52.0	96.8	GGGG		144	41
2925-03025	00000/0000	2-20050/0133	08/04/77	80	2890	2558N	09539E	51.9	94.8	GGGG		144	42
2925-03031	00000/0000	2-20050/0134	08/04/77	70	2890	2432N	09516E	51.7	92.9	GGGG		144	43
2925-03034	00000/0000	2-20050/0135	08/04/77	90	2890	2306N	09454E	51.5	90.9	GGGG		144	44
2925-03040	00000/0000	2-20050/0136	08/04/77	90	2890	2140N	09432E	51.3	89.0	GGGG		144	45
2925-03043	00000/0000	2-20050/0137	08/04/77	90	2890	2013N	09410E	51.0	87.2	GGGF		144	46
2925-04374	00000/0000	2-20049/1202	08/04/77	60	2891	5420N	08007E	45.6	133.9	GGGG		162	22

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0064

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2925-04381	00000/0000	2=20049/1203	08/04/77	70	2891	5256N	07923E	46.2 132.1	GGGG		162	23
2925-04383	00000/0000	2=20049/1204	08/04/77	90	2891	5132N	07840E	46.9 130.2	GGGG		162	24
2925-04390	00000/0000	2=20049/1208	08/04/77	80	2891	5008N	07801E	47.5 128.4	GGGG		162	25
2925-04392	00000/0000	2=20049/1206	08/04/77	20	2891	4844N	07723E	48.1 126.5	GGGG		162	26
2925-04395	00000/0000	2=20049/1207	08/04/77	10	2891	4719N	07647E	48.6 124.6	GGGG		162	27
2925-04401	00000/0000	2=20049/1208	08/04/77	10	2891	4554N	07612E	49.1 122.7	GGGG		162	28
2925-04404	00000/0000	2=20049/1209	08/04/77	20	2891	4430N	07538E	49.6 120.8	GGGG		162	29
2925-04410	00000/0000	2=20049/1210	08/04/77	30	2891	4305N	07506E	50.1 118.9	FGGG		162	30
2925-04413	00000/0000	2=20050/0137	08/04/77	70	2891	4140N	07435E	50.4 116.9	FGF		162	31
2925-04415	00000/0000	2=20050/0138	08/04/77	80	2891	4015N	07405E	50.8 114.9	FGFG		162	32
2925-04424	00000/0000	2=20050/0139	08/04/77	10	2891	3723N	07309E	51.4 110.9	FGGG		162	34
2925-04431	00000/0000	2=20050/0140	08/04/77	30	2891	3558N	07242E	51.6 108.9	FGGG		162	35
2925-04433	00000/0000	2=20050/0141	08/04/77	80	2891	3433N	07216E	51.8 106.9	PPPP		162	36
2925-04440	00000/0000	2=20050/0142	08/04/77	30	2891	3307N	07180E	51.9 104.9	FFFF		162	37
2925-04442	00000/0000	2=20050/0143	08/04/77	30	2891	3141N	07125E	52.0 102.9	FFFF		162	38
2925-04454	00000/0000	2=20050/0144	08/04/77	50	2891	2723N	07013E	52.0 96.8	FFGP		162	41
2925-04460	00000/0000	2=20049/1211	08/04/77	70	2891	2557N	06980E	51.9 94.9	GGGG		162	42
2925-04463	00000/0000	2=20049/1212	08/04/77	90	2891	2432N	06927E	51.7 92.9	GGGG		162	43
2925-06203	00000/0000	2=20049/1718	08/04/77	10	2892	5543N	05504E	44.9 135.8	GGGG		180	21
2925-06210	00000/0000	2=20049/1719	08/04/77	10	2892	5420N	05417E	45.6 133.9	GGGG		180	22
2925-06212	00000/0000	2=20049/1720	08/04/77	10	2892	5257N	05333E	46.2 132.1	GGGG		180	23
2925-06215	00000/0000	2=20049/1721	08/04/77	10	2892	5132N	05250E	46.9 130.2	GGGG		180	24
2925-06221	00000/0000	2=20049/1722	08/04/77	10	2892	5008N	05210E	47.5 128.4	FGGG		180	25
2925-06224	00000/0000	2=20049/1723	08/04/77	10	2892	4844N	05132E	48.1 126.5	GGGG		180	26
2925-06230	00000/0000	2=20050/0148	08/04/77	10	2892	4719N	05056E	48.6 124.6	FFFF		180	27
2925-06260	00000/0000	2=20049/1724	08/04/77	20	2892	3723N	04721E	51.4 111.0	GGGG		180	34
2925-06262	00000/0000	2=20049/1338	08/04/77	10	2892	3557N	04653E	51.6 108.9	GGGG		180	35
2925-06265	00000/0000	2=20049/1339	08/04/77	10	2892	3432N	04627E	51.8 106.9	GGGG		180	36
2925-06271	00000/0000	2=20049/1340	08/04/77	10	2892	3306N	04601E	51.9 104.9	GGGG		180	37
2925-08035	00000/0000	2=20049/1382	08/04/77	60	2893	5543N	02915E	44.8 135.8	FFFF		198	21
2925-08051	00000/0000	2=20049/1383	08/04/77	60	2893	5131N	02702E	46.9 130.2	FGGG		198	24
2925-08053	00000/0000	2=20049/1384	08/04/77	90	2893	5007N	02682E	47.5 128.4	FFFF		198	25
2925-16412	00000/0000	2=20049/1190	08/04/77	80	2898	5132N	10203W	46.8 130.3	GGGG		37	24
2925-16480	00000/0000	2=20049/1191	08/04/77	10	2898	2848N	11006W	52.0 99.0	GGGG		37	40
2925-16483	00000/0000	2=20049/1192	08/04/77	10	2898	2722N	11089W	51.9 97.0	GGGG		37	41
2925-16485	00000/0000	2=20049/1193	08/04/77	10	2898	2556N	11082W	51.8 95.0	GGGF		37	42

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0065

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2925-16492	00000/0000 2-20049/1194	08/04/77	10	2898	2430N	11115W	51.7	93.1	GGGG		37	43
2925-16494	00000/0000 2-20049/1195	08/04/77	10	2898	2304N	11137W	51.5	91.1	GGGG		37	44
2925-20271	00000/0000 2-20049/1341	08/04/77	50	2900	1420S	17203W	34.1	57.3	GGGG	H	72	70
2925-20273	00000/0000 2-20049/1342	08/04/77	50	2900	1547S	17224W	33.1	56.6	GGGG	H	73	71
2925-20280	00000/0000 2-20049/1337	08/04/77	40	2900	1713S	17245W	32.1	56.0	G GG	H	73	72
2925-21414	00000/0000 2-20049/1385	08/04/77	90	2901	8009N	12435W	26.4	200.9	GGGG		93	1
2925-21420	00000/0000 2-20049/1386	08/04/77	90	2901	7927N	13147W	27.4	193.4	GGGG		92	2
2925-21423	00000/0000 2-20049/1387	08/04/77	100	2901	7836N	13801W	28.5	186.9	GGGG		92	3
2925-21425	00000/0000 2-20049/1388	08/04/77	100	2901	7738N	14323W	29.5	181.1	GGGG		92	4
2925-21432	00000/0000 2-20049/1389	08/04/77	90	2901	7635N	14759W	30.5	176.1	GGGG		92	5
2925-21441	00000/0000 2-20049/1390	08/04/77	80	2901	7418N	15517W	32.5	168.0	GGGG		92	7
2925-21443	00000/0000 2-20049/1391	08/04/77	90	2901	7306N	15814W	33.5	164.5	GGGG		92	8
2926-01174	00000/0000 2-20049/1343	08/05/77	10	2903	5134N	12852E	46.7	130.4	GFGG		127	24
2926-01181	00000/0000 2-20049/1344	08/05/77	10	2903	5010N	12813E	47.3	128.6	GGGG		127	25
2926-01183	00000/0000 2-20049/1345	08/05/77	20	2903	4845N	12735E	47.9	126.7	GGGG		127	26
2926-01190	00000/0000 2-20049/1346	08/05/77	20	2903	4721N	12658E	48.4	124.9	GGGG		127	27
2926-01192	00000/0000 2-20049/1347	08/05/77	40	2903	4556N	12623E	49.0	123.0	FGGG		127	28
2926-01195	00000/0000 2-20049/1348	08/05/77	30	2903	4431N	12550E	49.4	121.1	GGGG		127	29
2926-01201	00000/0000 2-20049/1349	08/05/77	30	2903	4306N	12518E	49.9	119.1	GFGG		127	30
2926-01204	00000/0000 2-20049/1350	08/05/77	30	2903	4141N	12447E	50.3	117.2	GGGG		127	31
2926-01210	00000/0000 2-20049/1351	08/05/77	30	2903	4016N	12418E	50.6	115.2	GFGG		127	32
2926-01233	00000/0000 2-20049/1352	08/05/77	30	2903	3149N	12138E	51.9	103.2	GGGG		127	38
2926-01240	00000/0000 2-20049/1353	08/05/77	10	2903	3017N	12113E	51.9	101.2	FGGG		127	39
2926-03003	00000/0000 2-20049/1725	08/05/77	60	2904	5258N	10347E	46.0	132.3	GGGG		145	23
2926-03010	00000/0000 2-20049/1726	08/05/77	90	2904	5134N	10305E	46.7	130.4	GGGG		145	24
2926-03033	00000/0000 2-20049/1393	08/05/77	50	2904	4305N	09930E	49.9	119.1	FGGG		145	30
2926-03035	00000/0000 2-20049/1394	08/05/77	80	2904	4140N	09900E	50.3	117.2	FGGF		145	31
2926-03042	00000/0000 2-20049/1395	08/05/77	70	2904	4015N	09830E	50.6	115.2	GGGG		145	32
2926-03044	00000/0000 2-20049/1396	08/05/77	60	2904	3849N	09801E	51.0	113.3	GFGG		145	33
2926-03051	00000/0000 2-20049/1397	08/05/77	80	2904	3724N	09733E	51.2	111.3	FFGG		145	34
2926-03053	00000/0000 2-20049/1398	08/05/77	90	2904	3559N	09706E	51.5	109.3	GGGG		145	35
2926-03060	00000/0000 2-20049/1399	08/05/77	40	2904	3433N	09639E	51.6	107.3	GLJG		145	36
2926-03062	00000/0000 2-20049/1400	08/05/77	10	2904	3308N	09613E	51.8	105.2	GGGG		145	37
2926-03065	00000/0000 2-20049/1401	08/05/77	10	2904	3142N	09548E	51.9	103.2	GGGG		145	38
2926-03071	00000/0000 2-20049/1402	08/05/77	60	2904	3016N	09523E	51.9	101.2	GGGG		145	39
2926-03074	00000/0000 2-20049/1403	08/05/77	70	2904	2851N	09500E	51.9	99.2	GGGG		145	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN H=HIGH GAIN

07:04 SEP 15, 1977

LANDSAT#2
OBSERVATION ID LISTING
FOR NOAA-US
FROM 08/01/77 TO 08/31/77

PAGE 0066

OBSERVATION ID	MICROFILM RBV	ROLL NO./ POSITION IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2926-03080	00000/0000	2-20049/1404	08/05/77	80	2904	2724N	09436E	51.9	97.2	GGGG		145	41
2926-03083	00000/0000	2-20049/1405	08/05/77	50	2904	2558N	09413E	51.8	95.2	FGGG		145	42
2926-03085	00000/0000	2-20049/1406	08/05/77	60	2904	2432N	09350E	51.6	93.3	GGGG		145	43
2926-03092	00000/0000	2-20049/1407	08/05/77	70	2904	2306N	09328E	51.4	91.4	GGGG		145	44
2926-03094	00000/0000	2-20049/1408	08/05/77	90	2904	2139N	09305E	51.2	89.5	GGGG		145	45
2926-03101	00000/0000	2-20049/1409	08/05/77	90	2904	2013N	09243E	50.9	87.6	GGGG		145	46
2926-03103	00000/0000	2-20049/1410	08/05/77	60	2904	1847N	09222E	50.6	85.8	GGGG		145	47
2926-04423	00000/0000	2-20049/1477	08/05/77	10	2905	5707N	08015E	43.9	137.7	GGGG		163	20
2926-04430	00000/0000	2-20049/1478	08/05/77	10	2905	5544N	07926E	44.6	135.9	GGGG		163	21
2926-04432	00000/0000	2-20049/1479	08/05/77	10	2905	5421N	07839E	45.3	134.1	GGGG		163	22
2926-04435	00000/0000	2-20049/1480	08/05/77	30	2905	5257N	07755E	46.0	132.3	GGGG		163	23
2926-04441	00000/0000	2-20049/1459	08/05/77	40	2905	5132N	07713E	46.7	130.4	GGGG		163	24
2926-04444	00000/0000	2-20049/1460	08/05/77	70	2905	5008N	07634E	47.3	128.6	GGGG		163	25
2926-04450	00000/0000	2-20049/1461	08/05/77	50	2905	4844N	07555E	47.9	126.7	GGGG		163	26
2926-04453	00000/0000	2-20049/1490	08/05/77	20	2905	4719N	07519E	48.4	124.9	GGGG		163	27
2926-04455	00000/0000	2-20049/1491	08/05/77	10	2905	4555N	07444E	48.9	123.0	GGGF		163	28
2926-04462	00000/0000	2-20049/1492	08/05/77	10	2905	4430N	07411E	49.4	121.1	GGFG		163	29
2926-04464	00000/0000	2-20049/1493	08/05/77	20	2905	4305N	07340E	49.9	119.2	FFGG		163	30
2926-04471	00000/0000	2-20049/1411	08/05/77	50	2905	4140N	07310E	50.3	117.2	FGGG		163	31
2926-04473	00000/0000	2-20049/1412	08/05/77	20	2905	4014N	07240E	50.6	115.3	FGGG		163	32
2926-04480	00000/0000	2-20049/1413	08/05/77	20	2905	3848N	07211E	50.9	113.3	GGGG		163	33
2926-04482	00000/0000	2-20049/1414	08/05/77	10	2905	3723N	07142E	51.2	111.3	GGGG		163	34
2926-04485	00000/0000	2-20049/1415	08/05/77	10	2905	3558N	07115E	51.5	109.3	FGGG		163	35
2926-04491	00000/0000	2-20049/1416	08/05/77	20	2905	3433N	07043E	51.6	107.3	FGGG		163	36
2926-04494	00000/0000	2-20049/1417	08/05/77	50	2905	3307N	07023E	51.8	105.3	GGGG		163	37
2926-04500	00000/0000	2-20049/1418	08/05/77	40	2905	3141N	06958E	51.9	103.2	FGGG		163	38
2926-04503	00000/0000	2-20049/1419	08/05/77	30	2905	3014N	06934E	51.9	101.2	GGGG		163	39
2926-04505	00000/0000	2-20049/1420	08/05/77	10	2905	2848N	06910E	51.9	99.2	GGGF		163	40
2926-04512	00000/0000	2-20049/1421	08/05/77	40	2905	2723N	06846E	51.9	97.2	GGGF		163	41
2926-04514	00000/0000	2-20049/1422	08/05/77	40	2905	2557N	06823E	51.8	95.3	GGGF		163	42
2926-04521	00000/0000	2-20049/1423	08/05/77	70	2905	2431N	06800E	51.6	93.3	GGGG		163	43
2926-04523	00000/0000	2-20049/1424	08/05/77	60	2905	2305N	06735E	51.4	91.4	GGGF		163	44
2926-04530	00000/0000	2-20049/1425	08/05/77	50	2905	2138N	06716E	51.2	89.5	GGGG		163	45
2926-04532	00000/0000	2-20049/1426	08/05/77	50	2905	2012N	06654E	50.9	87.6	GGGG		163	46
2926-06253	00000/0000	2-20049/1494	08/05/77	10	2906	5830N	05521E	43.1	139.6	FGGG		181	19
2926-06255	00000/0000	2-20049/1495	08/05/77	10	2906	5707N	05427E	43.9	137.7	FPGG		181	20

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV	MSS MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2926-06262	00000/0000	2-20049/1496	08/05/77	10	2906	5543N	05337E	44.6	135.9	FPGG			181	21
2926-06264	00000/0000	2-20049/1497	08/05/77	10	2906	5420N	05250E	45.3	134.1	FFGG			181	22
2926-06271	00000/0000	2-20049/1498	08/05/77	10	2906	5256N	05206E	46.0	132.3	QFGG			181	23
2926-06273	00000/0000	2-20049/1499	08/05/77	10	2906	5132N	05125E	46.7	130.4	GGFG			181	24
2926-06280	00000/0000	2-20049/1500	08/05/77	10	2906	5008N	05045E	47.3	128.6	GGFG			181	25
2926-06282	00000/0000	2-20049/1501	08/05/77	20	2906	4843N	05007E	47.9	126.8	FGGG			181	26
2926-06285	00000/0000	2-20049/1502	08/05/77	20	2906	4719N	04931E	48.4	124.9	FFGG			181	27
2926-06291	00000/0000	2-20049/1503	08/05/77	10	2906	4554N	04856E	48.9	123.0	GGGG			181	28
2926-06294	00000/0000	2-20049/1427	08/05/77	10	2906	4429N	04823E	49.4	121.1	FFPG			181	29
2926-06312	00000/0000	2-20049/1504	08/05/77	30	2906	3848N	04622E	50.9	113.3	GGGG			181	33
2926-06314	00000/0000	2-20049/1505	08/05/77	30	2906	3723N	04554E	51.2	111.3	GGFG			181	34
2926-06321	00000/0000	2-20049/1506	08/05/77	20	2906	3557N	04527E	51.4	109.3	GGGG			181	35
2926-16464	00000/0000	2-20049/1372	08/05/77	70	2912	5259N	10244W	45.9	132.4	GGGG			38	23
2926-16470	00000/0000	2-20049/1373	08/05/77	80	2912	5134N	10327W	46.5	130.4	GG G			38	24
2926-16473	00000/0000	2-20049/1374	08/05/77	40	2912	5011N	10407W	47.2	128.8	GGGG			38	25
2926-16544	00000/0000	2-20049/1375	08/05/77	10	2912	2851N	11131W	51.9	99.5	GGGG			38	40
2926-16544	00000/0000	2-20049/1376	08/05/77	20	2912	2725N	11154W	51.8	97.5	GGGF			38	41
2926-16543	00000/0000	2-20049/1377	08/05/77	30	2912	2559N	11217W	51.7	95.5	GGGF			38	42
2926-16550	00000/0000	2-20049/1378	08/05/77	60	2912	2432N	11240W	51.6	93.6	GGGG			38	43
2926-20072	00000/0000	2-20049/1392	08/05/77	50	2914	7159N	13629W	34.2	161.5	GGGG			75	9
2926-20320	00000/0000	2-20049/1583	08/05/77	30	2914	1129S	17248W	36.2	59.0	FGGG	H		74	68
2926-20322	00000/0000	2-20049/1584	08/05/77	10	2914	1255S	17308W	35.2	58.3	GGFG	H		74	69
2926-20325	00000/0000	2-20049/1585	08/05/77	70	2914	1422S	17329W	34.2	57.6	GGGG	H		74	70
2926-20331	00000/0000	2-20049/1586	08/05/77	80	2914	1548S	17380W	33.3	56.9	GGGG	H		74	71
2926-20334	00000/0000	2-20049/1587	08/05/77	40	2914	1714S	17411W	32.3	56.3	GGGG	H		74	72
2926-21504	00000/0000	2-20049/1297	08/05/77	90	2915	7152N	16215W	34.2	161.5	GGFG			92	9
2927-01232	00000/0000	2-20049/1588	08/06/77	30	2917	5132N	12728E	46.5	130.6	GFFF			128	24
2927-01235	00000/0000	2-20049/1589	08/06/77	10	2917	5008N	12647E	47.1	128.8	GGGG			128	25
2927-01241	00000/0000	2-20049/1590	08/06/77	90	2917	4845N	12609E	47.7	127.0	GGGG			128	26
2927-01250	00000/0000	2-20049/1591	08/06/77	60	2917	4555N	12458E	48.8	123.2	GGGG			128	28
2927-01253	00000/0000	2-20049/1592	08/06/77	70	2917	4430N	12424E	49.2	121.3	GGGG			128	29
2927-01255	00000/0000	2-20049/1593	08/06/77	80	2917	4306N	12352E	49.7	119.4	GGGG			128	30
2927-01262	00000/0000	2-20049/1594	08/06/77	80	2917	4141N	12321E	50.1	117.5	GGGG			128	31
2927-01264	00000/0000	2-20049/1595	08/06/77	90	2917	4015N	12252E	50.5	115.6	GGGG			128	32
2927-01271	00000/0000	2-20049/1596	08/06/77	100	2917	3850N	12224E	50.8	113.6	GGGG			128	33
2927-01273	00000/0000	2-20049/1597	08/06/77	100	2917	3725N	12156E	51.1	111.6	GGGG			128	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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LANDSAT#2
OBSERVATION ID LISTING
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FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2927-01280	00000/0000	2-20049/1598	08/06/77	90	2917	3600N 12129E	51.3	109.6	GGGG			128	35
2927-01282	00000/0000	2-20049/1599	08/06/77	70	2917	3433N 12102E	51.5	107.6	GGPG			128	36
2927-01285	00000/0000	2-20049/1600	08/06/77	40	2917	3307N 12037E	51.7	105.6	GGGG			128	37
2927-01291	00000/0000	2-20049/1601	08/06/77	10	2917	3141N 12012E	51.8	103.6	GGGG			128	38
2927-01294	00000/0000	2-20049/1602	08/06/77	10	2917	3016N 11948E	51.8	101.6	GGGG			128	39
2927-03052	00000/0000	2-20049/1468	08/06/77	90	2918	5544N 10349E	44.4	136.1	GGGG			146	21
2927-03055	00000/0000	2-20049/1463	08/06/77	90	2918	5421N 10302E	45.1	134.3	GGGG			146	22
2927-03061	00000/0000	2-20049/1464	08/06/77	90	2918	5257N 10217E	45.8	132.5	GGGG			146	23
2927-04484	00000/0000	2-20049/1465	08/06/77	10	2919	5544N 07802E	44.4	136.1	GGGG			164	21
2927-04491	00000/0000	2-20049/1466	08/06/77	10	2919	5420N 07715E	45.1	134.3	GGGG			164	22
2927-04493	00000/0000	2-20049/1467	08/06/77	20	2919	5257N 07631E	45.8	132.5	GGGG			164	23
2927-04500	00000/0000	2-20049/1468	08/06/77	10	2919	5132N 07549E	46.4	130.6	GGGG			164	24
2927-04502	00000/0000	2-20049/1469	08/06/77	10	2919	5008N 07509E	47.1	128.8	GGGG			164	25
2927-04505	00000/0000	2-20049/1470	08/06/77	10	2919	4844N 07430E	47.7	127.0	GGGG			164	26
2927-04511	00000/0000	2-20049/1471	08/06/77	0	2919	4719N 07354E	48.2	125.1	GGGG			164	27
2927-04514	00000/0000	2-20049/1472	08/06/77	0	2919	4564N 07319E	48.7	123.3	GGGG			164	28
2927-04520	00000/0000	2-20049/1473	08/06/77	0	2919	4430N 07245E	49.2	121.4	GGGG			164	29
2927-04523	00000/0000	2-20049/1474	08/06/77	20	2919	4304N 07214E	49.7	119.4	GGGG			164	30
2927-04573	00000/0000	2-20049/1475	08/06/77	40	2919	2556N 06657E	51.7	95.7	GGGG			164	42
2927-04575	00000/0000	2-20049/1476	08/06/77	40	2919	2430N 06634E	51.6	93.7	GGGG			164	43
2927-06313	00000/0000	2-20049/1481	08/06/77	10	2920	5710N 05303E	43.6	138.0	GGGG			182	20
2927-06320	00000/0000	2-20049/1482	08/06/77	0	2920	5546N 05212E	44.3	136.2	GGGG			182	21
2927-06322	00000/0000	2-20049/1483	08/06/77	0	2920	5423N 05126E	45.1	134.3	GGGG			182	22
2927-06325	00000/0000	2-20049/1484	08/06/77	10	2920	5259N 05041E	45.7	132.5	GGGG			182	23
2927-06331	00000/0000	2-20049/1485	08/06/77	10	2920	5135N 04959E	46.4	130.7	GGGG			182	24
2927-06334	00000/0000	2-20049/1486	08/06/77	10	2920	5010N 04919E	47.0	128.9	GGGG			182	25
2927-06340	00000/0000	2-20049/1487	08/06/77	10	2920	4845N 04842E	47.6	127.1	GGGG			182	26
2927-06343	00000/0000	2-20049/1488	08/06/77	40	2920	4721N 04805E	48.2	125.2	GGGG			182	27
2927-06345	00000/0000	2-20049/1489	08/06/77	10	2920	4557N 04731E	48.7	123.3	GGGG			182	28
2927-08145	00000/0000	2-20050/0231	08/06/77	90	2921	5709N 02713E	43.6	138.0	FFFF			200	20
2927-08151	00000/0000	2-20050/0232	08/06/77	90	2921	5546N 02623E	44.3	136.2	FFFF			200	21
2927-08154	00000/0000	2-20050/0233	08/06/77	70	2921	5422N 02536E	45.0	134.3	FFFF			200	22
2927-08160	00000/0000	2-20050/0234	08/06/77	30	2921	5258N 02452E	45.7	132.5	GGGG			200	23
2927-08163	00000/0000	2-20050/0235	08/06/77	30	2921	5134N 02410E	46.4	130.7	GGGG			200	24
2927-08165	00000/0000	2-20050/0236	08/06/77	30	2921	5009N 02330E	47.0	128.9	GGGG			200	25
2927-08172	00000/0000	2-20050/0237	08/06/77	30	2921	4845N 02252E	47.6	127.1	GGGG			200	26

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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2927-08174	00000/0000	2-20050/0238	08/06/77	20	2921	4720N 08216E	48.2	125.2	GGGG			200	27
2927-12050	00000/0000	2-20049/1564	08/06/77	40	2923	2426S 04821W	27.3	53.9	GGGG			236	77
2927-12053	00000/0000	2-20049/1565	08/06/77	60	2923	2552S 04843W	26.2	53.5	FFFF			236	78
2927-12055	00000/0000	2-20049/1566	08/06/77	50	2923	2718S 04906W	25.2	53.2	GGGG			236	79
2927-12062	00000/0000	2-20049/1567	08/06/77	40	2923	2844S 04929W	24.1	52.3	GGGG			236	80
2927-14513	00000/0000	2-20049/1727	08/06/77	50	2926	5547N 10239W	44.2	136.2	GGGG			39	21
2927-14520	00000/0000	2-20049/1728	08/06/77	60	2926	5423N 10326W	45.0	134.4	GGGG			39	22
2927-14522	00000/0000	2-20049/1729	08/06/77	90	2926	5259N 10411W	45.6	132.6	GGGG			39	23
2927-14525	00000/0000	2-20049/1730	08/06/77	70	2926	5135N 10454W	46.3	130.8	GGGG			39	24
2927-14593	00000/0000	2-20049/1731	08/06/77	80	2926	2850N 11257W	51.8	99.9	GGGG			39	40
2927-14595	00000/0000	2-20049/1732	08/06/77	60	2926	2725N 11321W	51.7	97.9	GGGG			39	41
2927-17002	00000/0000	2-20049/1733	08/06/77	40	2926	2558N 11344W	51.6	95.9	GGGG			39	42
2927-21564	00000/0000	2-20049/1807	08/06/77	100	2929	7039N 16548W	34.8	158.9	GGGG			93	10
2928-01293	00000/0000	2-20049/1568	08/07/77	90	2931	5009N 12521E	46.9	129.0	GGGG			129	25
2928-01295	00000/0000	2-20049/1569	08/07/77	70	2931	4844N 12443E	47.5	127.2	GGGG			129	26
2928-01302	00000/0000	2-20049/1570	08/07/77	30	2931	4719N 12406E	48.0	125.4	GGGG			129	27
2928-01304	00000/0000	2-20049/1571	08/07/77	20	2931	4554N 12331E	48.5	123.6	GGGG			129	28
2928-01313	00000/0000	2-20049/1572	08/07/77	70	2931	4305N 12226E	49.5	119.7	GGGG			129	30
2928-01320	00000/0000	2-20049/1573	08/07/77	50	2931	4140N 12155E	49.9	117.8	GGGG			129	31
2928-01322	00000/0000	2-20049/1574	08/07/77	60	2931	4015N 12125E	50.3	115.9	GGGG			129	32
2928-01325	00000/0000	2-20049/1575	08/07/77	90	2931	3850N 12057E	50.6	113.9	GGGG			129	33
2928-01331	00000/0000	2-20049/1576	08/07/77	100	2931	3725N 12030E	50.9	112.0	GGGG			129	34
2928-01334	00000/0000	2-20049/1577	08/07/77	90	2931	3559N 12003E	51.2	110.0	GGGG			129	35
2928-01340	00000/0000	2-20049/1578	08/07/77	70	2931	3433N 11937E	51.4	108.0	GGGG			129	36
2928-01343	00000/0000	2-20049/1579	08/07/77	80	2931	3307N 11911E	51.5	106.0	GGGG			129	37
2928-01345	00000/0000	2-20049/1580	08/07/77	20	2931	3141N 11846E	51.6	104.0	GGGG			129	38
2928-01352	00000/0000	2-20049/1581	08/07/77	20	2931	3015N 11821E	51.7	102.0	GGGG			129	39
2928-01372	00000/0000	2-20049/1582	08/07/77	30	2931	2306N 11625E	51.3	92.2	GGGG			129	44
2928-03111	00000/0000	2-20049/1642	08/07/77	80	2932	5545N 10225E	44.1	136.3	GGGG			147	21
2928-03113	00000/0000	2-20049/1606	08/07/77	80	2932	5421N 10138E	44.9	134.5	GGGG			147	22
2928-03120	00000/0000	2-20049/1607	08/07/77	80	2932	5256N 10054E	45.6	132.7	GGGG			147	23
2928-03140	00000/0000	2-20049/1652	08/07/77	10	2932	4555N 09744E	48.5	123.5	FFP			147	28
2928-03152	00000/0000	2-20049/1653	08/07/77	10	2932	4140N 09609E	49.9	117.8	FFP			147	31
2928-03163	00000/0000	2-20049/1654	08/07/77	60	2932	3724N 09443E	50.9	112.0	FFPP			147	34
2928-03190	00000/0000	2-20049/1655	08/07/77	70	2932	2849N 09208E	51.7	100.0	GGGG			147	40
2928-03193	00000/0000	2-20049/1656	08/07/77	90	2932	2723N 09143E	51.7	98.0	GGGG			147	41

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0070

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2928-03202	00000/0000	2-20049/1657	08/07/77	80	2932	2430N 09087E	51.5	94.1	FFFF			147	43
2928-03225	00000/0000	2-20049/1658	08/07/77	100	2932	1554N 08848E	49.8	83.1	FFGG			147	49
2928-04540	00000/0000	2-20049/1608	08/07/77	10	2933	5707N 07724E	43.4	138.1	FFGG			165	20
2928-04542	00000/0000	2-20049/1609	08/07/77	10	2933	5544N 07634E	44.1	136.3	GGGG			165	21
2928-04545	00000/0000	2-20049/1610	08/07/77	10	2933	5420N 07547E	44.9	134.5	GGGG			165	22
2928-04551	00000/0000	2-20049/1611	08/07/77	10	2933	5257N 07503E	45.5	132.7	GGGG			165	23
2928-04554	00000/0000	2-20049/1612	08/07/77	20	2933	5132N 07421E	46.2	130.9	FGFG			165	24
2928-04560	00000/0000	2-20049/1613	08/07/77	20	2933	5008N 07341E	46.8	129.0	GGGG			165	25
2928-04563	00000/0000	2-20049/1614	08/07/77	20	2933	4844N 07303E	47.4	127.2	GGGG			165	26
2928-04565	00000/0000	2-20049/1615	08/07/77	10	2933	4718N 07227E	48.0	125.4	GGGG			165	27
2928-04572	00000/0000	2-20049/1616	08/07/77	0	2933	4554N 07152E	48.5	123.5	FGGG			165	28
2928-04574	00000/0000	2-20049/1617	08/07/77	10	2933	4429N 07119E	49.0	121.6	GGGG			165	29
2928-04581	00000/0000	2-20049/1618	08/07/77	20	2933	4304N 07048E	49.5	119.7	GGGG			165	30
2928-04583	00000/0000	2-20049/1619	08/07/77	40	2933	4139N 07017E	49.9	117.8	GGGG			165	31
2928-04590	00000/0000	2-20049/1659	08/07/77	20	2933	4013N 06947E	50.3	115.9	FFGG			165	32
2928-04595	00000/0000	2-20049/1660	08/07/77	0	2933	3723N 06851E	50.9	112.0	FGGF			165	34
2928-05010	00000/0000	2-20049/1661	08/07/77	0	2933	3306N 06731E	51.5	106.0	FGGF			165	37
2928-05013	00000/0000	2-20049/1662	08/07/77	0	2933	3140N 06706E	51.6	104.0	FFFF			165	38
2928-05015	00000/0000	2-20049/1663	08/07/77	0	2933	3014N 06642E	51.7	102.0	FFFF			165	39
2928-05022	00000/0000	2-20049/1664	08/07/77	10	2933	2848N 06618E	51.7	100.0	FFGF			165	40
2928-05024	00000/0000	2-20049/1665	08/07/77	0	2933	2722N 06584E	51.7	98.1	PFFF			165	41
2928-05031	00000/0000	2-20049/1666	08/07/77	0	2933	2556N 06531E	51.6	96.1	PFFF			165	42
2928-06365	00000/0000	2-20049/1620	08/07/77	10	2934	5832N 05232E	42.6	139.9	GGGG			183	19
2928-06371	00000/0000	2-20049/1621	08/07/77	10	2934	5709N 05138E	43.4	138.1	GGGG			183	20
2928-06392	00000/0000	2-20049/1808	08/07/77	0	2934	5010N 04785E	46.8	129.1	GGGG			183	25
2928-06394	00000/0000	2-20049/1809	08/07/77	10	2934	4846N 04717E	47.4	127.3	GGGG			183	26
2928-06401	00000/0000	2-20049/1810	08/07/77	0	2934	4721N 04641E	48.0	125.5	GGGG			183	27
2928-06403	00000/0000	2-20049/1811	08/07/77	10	2934	4557N 04606E	48.5	123.6	GGGG			183	28
2928-06410	00000/0000	2-20049/1812	08/07/77	10	2934	4432N 04533E	49.0	121.7	GGGG			183	29
2928-06412	00000/0000	2-20049/1813	08/07/77	30	2934	4306N 04501E	49.4	119.8	GGGG			183	30
2928-06415	00000/0000	2-20049/1814	08/07/77	30	2934	4142N 04430E	49.9	117.9	GGGG			183	31
2928-06421	00000/0000	2-20049/1815	08/07/77	30	2934	4016N 04400E	50.2	116.0	GGGG			183	32
2928-08200	00000/0000	2-20049/1816	08/07/77	50	2935	5832N 02643E	42.6	139.9	GGGG			201	19
2928-08203	00000/0000	2-20049/1817	08/07/77	40	2935	5709N 02549E	43.3	138.1	GGGG			201	20
2928-08205	00000/0000	2-20049/1818	08/07/77	50	2935	5545N 02459E	44.1	136.3	GGGG			201	21
2928-08212	00000/0000	2-20049/1819	08/07/77	70	2935	5421N 02411E	44.8	134.5	GGGG			201	22

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07104 SEP 15, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-UI
FROM 08/01/77 TO 08/31/77

PAGE 0071

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SYN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2928-08214	00000/0000	2-20049/1820	08/07/77	20	2935	5258N 02327E	45.5	132.7	GGGG			201	23
2928-08221	00000/0000	2-20049/1821	08/07/77	20	2935	5134N 02245E	46.2	130.9	GGGG			201	24
2928-08222	00000/0000	2-20049/1822	08/07/77	20	2935	5009N 02205E	46.8	129.1	GGGG			201	25
2928-12093	00000/0000	2-20049/1643	08/07/77	10	2937	2008S 04841W	30.5	55.6	FFFF			237	74
2928-12095	00000/0000	2-20049/1644	08/07/77	0	2937	2134S 04902W	29.5	55.1	GGGG			237	75
2928-12102	00000/0000	2-20049/1645	08/07/77	0	2937	2301S 04924W	28.5	54.6	FFFF			237	76
2928-12111	00000/0000	2-20049/1646	08/07/77	70	2937	2552S 05009W	26.4	53.8	GGGF			237	78
2928-12113	00000/0000	2-20049/1622	08/07/77	70	2937	2718S 05032W	25.4	53.4	F FF			237	79
2928-12120	00000/0000	2-20049/1623	08/07/77	50	2937	2844S 05056W	24.3	53.1	F F			237	80
2928-15154	00000/0000	2-20049/1694	08/07/77	90	2939	5011N 08110W	46.7	129.2	GGGG			22	25
2928-16574	00000/0000	2-20049/1709	08/07/77	50	2940	5422N 10454W	44.7	134.6	GGGG			40	22
2928-16580	00000/0000	2-20049/1710	08/07/77	40	2940	5258N 10539W	45.4	132.8	GGGG			40	23
2928-16583	00000/0000	2-20049/1711	08/07/77	40	2940	5134N 10621W	46.1	131.0	GGGG			40	24
2928-17051	00000/0000	2-20049/1712	08/07/77	30	2940	2851N 11423W	51.6	100.3	GGGG			40	40
2928-17053	00000/0000	2-20049/1713	08/07/77	20	2940	2724N 11447W	51.6	98.3	GGFG			40	41
2928-18382	00000/0000	2-20049/1742	08/07/77	70	2941	6238N 12507W	40.0	145.6	GGGG			58	16
2928-18385	00000/0000	2-20049/1743	08/07/77	60	2941	6116N 12613W	40.9	143.7	GGGG			58	17
2928-18391	00000/0000	2-20049/1744	08/07/77	20	2941	5954N 12714W	41.7	141.8	GGGG			58	18
2928-18394	00000/0000	2-20049/1745	08/07/77	20	2941	5832N 12811W	42.5	140.0	GGGG			58	19
2928-18412	00000/0000	2-20049/1746	08/07/77	70	2941	5257N 13126W	45.4	132.8	GGGG			58	23
2928-18414	00000/0000	2-20049/1747	08/07/77	80	2941	5133N 13209W	46.1	131.0	GGGG			58	24
2928-20184	00000/0000	2-20049/1647	08/07/77	90	2942	7153N 13916W	33.6	161.6	GGGG			76	9
2928-22022	00000/0000	2-20049/1648	08/07/77	50	2943	7039N 16718W	34.6	158.9	GGGG			94	10
2928-22025	00000/0000	2-20049/1649	08/07/77	80	2943	6921N 16920W	35.5	156.4	GGGG			94	11
2928-22031	00000/0000	2-20049/1650	08/07/77	80	2943	6803N 17107W	36.4	154.0	GGGG			94	12
2929-00033	00000/0000	2-20049/1624	08/08/77	60	2944	1007N 13738E	47.9	76.9	GGGG		H	112	53
2929-00040	00000/0000	2-20049/1623	08/08/77	50	2944	0841N 13717E	47.3	75.4	GGGG		H	112	54
2929-00042	00000/0000	2-20049/1626	08/08/77	40	2944	0715N 13657E	46.7	74.0	GGGG		H	112	55
2929-00045	00000/0000	2-20049/1627	08/08/77	40	2944	0548N 13638E	46.1	72.6	GGGG		H	112	56
2929-00051	00000/0000	2-20049/1508	08/08/77	60	2944	0422N 13618E	45.4	71.2	GGGG		H	112	57
2929-01351	00000/0000	2-20049/1509	08/08/77	60	2945	5008N 12354E	46.6	129.3	GGGG			130	25
2929-01354	00000/0000	2-20049/1510	08/08/77	30	2945	4843N 12316E	47.2	127.5	GGGG			130	26
2929-01360	00000/0000	2-20049/1511	08/08/77	10	2945	4719N 12239E	47.8	125.6	GGGG			130	27
2929-01363	00000/0000	2-20049/1512	08/08/77	10	2945	4555N 12204E	48.3	123.8	GGGG			130	28
2929-01365	00000/0000	2-20049/1513	08/08/77	10	2945	4430N 12130E	48.8	121.9	GGGG			130	29
2929-01372	00000/0000	2-20049/1514	08/08/77	10	2945	4305N 12059E	49.3	120.0	GGGG			130	30

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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0072

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2929-01374	00000/0000 2-20049/1515	08/08/77	10	2945	4139N 12028E	49.7	118.1	GGGG			130	31
2929-01381	00000/0000 2-20049/1516	08/08/77	10	2945	4014N 11959E	50.1	116.2	GGGG			130	32
2929-01383	00000/0000 2-20049/1517	08/08/77	10	2945	3850N 11930E	50.4	114.3	GGFF			130	33
2929-01390	00000/0000 2-20049/1518	08/08/77	50	2945	3724N 11902E	50.7	112.3	GGGG			130	34
2929-01392	00000/0000 2-20049/1519	08/08/77	90	2945	3558N 11835E	51.0	110.3	GGGG			130	35
2929-01395	00000/0000 2-20049/1520	08/08/77	80	2945	3433N 11809E	51.2	108.4	GGGG			130	36
2929-01401	00000/0000 2-20049/1521	08/08/77	90	2945	3307N 11743E	51.4	106.4	GGGG			130	37
2929-01404	00000/0000 2-20049/1522	08/08/77	40	2945	3142N 11718E	51.5	104.4	GGGG			130	38
2929-01410	00000/0000 2-20049/1507	08/08/77	30	2945	3016N 11653E	51.6	102.4	G GG			130	39
2929-01413	00000/0000 2-20049/1523	08/08/77	30	2945	2850N 11629E	51.6	100.4	FFFF			130	40
2929-01431	00000/0000 2-20049/1524	08/08/77	50	2945	2304N 11458E	51.3	92.6	GGGG			130	44
2929-03171	00000/0000 2-20049/1628	08/08/77	40	2946	5421N 10011E	44.6	134.6	GGGG			148	22
2929-03192	00000/0000 2-20049/1667	08/08/77	30	2946	4719N 09650E	47.8	125.6	PFGG			148	27
2929-03194	00000/0000 2-20049/1668	08/08/77	80	2946	4554N 09615E	48.3	123.8	FGFF			148	28
2929-03201	00000/0000 2-20049/1669	08/08/77	90	2946	4429N 09542E	48.8	121.9	FFFG			148	29
2929-03203	00000/0000 2-20049/1670	08/08/77	70	2946	4304N 09511E	49.3	120.0	FFGP			148	30
2929-03210	00000/0000 2-20049/1671	08/08/77	60	2946	4138N 09441E	49.7	118.1	GGGG			148	31
2929-03212	00000/0000 2-20049/1672	08/08/77	50	2946	4013N 09411E	50.1	116.2	GGGG			148	32
2929-03215	00000/0000 2-20049/1673	08/08/77	20	2946	3849N 09343E	50.4	114.3	GGGG			148	33
2929-03221	00000/0000 2-20049/1674	08/08/77	40	2946	3723N 09315E	50.7	112.3	GGGG			148	34
2929-03224	00000/0000 2-20049/1675	08/08/77	90	2946	3557N 09237E	51.0	110.3	GGGG			148	35
2929-03230	00000/0000 2-20049/1676	08/08/77	80	2946	3432N 09221E	51.2	108.4	GGGG			148	36
2929-03233	00000/0000 2-20049/1677	08/08/77	80	2946	3306N 09155E	51.4	106.4	GGGG			148	37
2929-03235	00000/0000 2-20049/1678	08/08/77	50	2946	3140N 09130E	51.5	104.4	GGGG			148	38
2929-03242	00000/0000 2-20049/1679	08/08/77	70	2946	3015N 09106E	51.6	102.4	GGGF			148	39
2929-03244	00000/0000 2-20049/1680	08/08/77	70	2946	2849N 09042E	51.6	100.4	GGGG			148	40
2929-03262	00000/0000 2-20049/1681	08/08/77	60	2946	2304N 08909E	51.3	92.6	GGGG			148	44
2929-03265	00000/0000 2-20049/1682	08/08/77	30	2946	2138N 08847E	51.0	90.7	FGGG			148	45
2929-03271	00000/0000 2-20049/1683	08/08/77	40	2946	2012N 08825E	50.8	88.9	PPPP			148	46
2929-04555	00000/0000 2-20049/1629	08/08/77	50	2947	6922N 08721E	35.4	156.4	GGGG			166	11
2929-05000	00000/0000 2-20049/1630	08/08/77	10	2947	5547N 07509E	43.9	136.5	GGGG			166	21
2929-05003	00000/0000 2-20049/1631	08/08/77	10	2947	5424N 07422E	44.6	134.7	GGGG			166	22
2929-05005	00000/0000 2-20049/1632	08/08/77	10	2947	5300N 07337E	45.3	132.9	GGGG			166	23
2929-05012	00000/0000 2-20049/1633	08/08/77	20	2947	5135N 07255E	45.9	131.1	GGGG			166	24
2929-05014	00000/0000 2-20049/1634	08/08/77	10	2947	5011N 07215E	46.6	129.3	GGGG			166	25
2929-05021	00000/0000 2-20049/1635	08/08/77	10	2947	4846N 07137E	47.2	127.5	GGGG			166	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR;
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0073 (

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2929-05023	00000/0000	2-20049/1636	08/08/77	50	2947	4722N 07101E	47.8	125.7	GGGG			166	27
2929-05030	00000/0000	2-20049/1637	08/08/77	30	2947	4557N 07027E	48.3	123.9	GGGG			166	28
2929-05032	00000/0000	2-20049/1638	08/08/77	40	2947	4432N 06954E	48.8	122.0	GGGG			166	29
2929-05035	00000/0000	2-20049/1639	08/08/77	10	2947	4307N 06922E	49.3	120.1	GGGF			166	30
2929-05041	00000/0000	2-20049/1640	08/08/77	10	2947	4142N 06851E	49.7	118.2	GGGG			166	31
2929-05044	00000/0000	2-20049/1641	08/08/77	0	2947	4017N 06821E	50.1	116.3	GGGF			166	32
2929-05055	00000/0000	2-20049/1642	08/08/77	0	2947	3600N 06658E	51.0	110.4	GGGG			166	35
2929-05064	00000/0000	2-20049/1645	08/08/77	0	2947	3309N 06605E	51.4	106.5	PGGF			166	37
2929-05071	00000/0000	2-20049/1646	08/08/77	0	2947	3143N 06540E	51.5	104.5	PPPP			166	38
2929-05073	00000/0000	2-20049/1647	08/08/77	0	2947	3017N 06516E	51.6	102.5	PFFF			166	39
2929-05080	00000/0000	2-20049/1648	08/08/77	10	2947	2852N 06452E	51.6	100.5	QGGF			166	40
2929-05082	00000/0000	2-20049/1649	08/08/77	20	2947	2725N 06429E	51.6	98.6	FGGF			166	41
2929-05085	00000/0000	2-20049/1650	08/08/77	20	2947	2559N 06406E	51.5	96.6	GGFF			166	42
2929-05091	00000/0000	2-20049/1651	08/08/77	40	2947	2433N 06343E	51.4	94.6	GGGF			166	43
2929-05094	00000/0000	2-20049/1652	08/08/77	90	2947	2307N 06320E	51.3	92.7	GGFF			166	44
2929-05100	00000/0000	2-20049/1653	08/08/77	90	2947	2141N 06258E	51.1	90.8	PPPP			166	45
2929-06443	00000/0000	2-20049/1768	08/08/77	10	2948	5134N 04708E	45.9	131.2	GGGG			184	24
2929-06450	00000/0000	2-20049/1766	08/08/77	0	2948	5010N 04628E	46.6	129.4	GGGG			184	25
2929-06452	00000/0000	2-20049/1767	08/08/77	10	2948	4846N 04550E	47.2	127.5	GGGG			184	26
2929-06455	00000/0000	2-20049/1768	08/08/77	10	2948	4721N 04513E	47.7	125.7	FFFF			184	27
2929-06461	00000/0000	2-20049/1769	08/08/77	30	2948	4557N 04439E	48.3	123.9	GGGG			184	28
2929-06464	00000/0000	2-20049/1770	08/08/77	40	2948	4432N 04406E	48.8	122.0	FFFF			184	29
2929-08254	00000/0000	2-20049/1771	08/08/77	80	2949	5832N 02516E	42.3	140.1	GGGG			202	19
2929-08261	00000/0000	2-20049/1772	08/08/77	70	2949	5709N 02422E	43.1	138.3	FFFF			202	20
2929-08263	00000/0000	2-20049/1773	08/08/77	60	2949	5546N 02332E	43.8	136.5	GGGG			202	21
2929-08270	00000/0000	2-20049/1774	08/08/77	60	2949	5422N 02244E	44.6	134.7	PPPP			202	22
2929-12162	00000/0000	2-20049/1525	08/08/77	40	2951	2423S 05112W	27.7	54.4	PPPP			238	77
2929-12171	00000/0000	2-20049/1526	08/08/77	20	2951	2716S 05158W	25.6	53.6	FFPP			238	79
2929-12174	00000/0000	2-20049/1527	08/08/77	70	2951	2842S 05222W	24.5	53.3	FFPP			238	80
2929-12180	00000/0000	2-20049/1528	08/08/77	90	2951	3008S 05245W	23.5	53.0	FFFF			238	81
2929-16575	00000/0000	2-20049/1775	08/08/77	10	2954	7153N 08906W	34.4	161.7	GGGG			41	9
2929-16582	00000/0000	2-20049/1776	08/08/77	30	2954	7038N 09121W	34.3	158.9	GGGG			41	10
2929-16584	00000/0000	2-20049/1777	08/08/77	20	2954	6921N 09322W	35.3	156.4	GGGG			41	11
2929-16591	00000/0000	2-20049/1778	08/08/77	10	2954	6802N 09509W	36.2	154.0	GGGG			41	12
2929-16593	00000/0000	2-20049/1779	08/08/77	10	2954	6643N 09646W	37.1	151.8	GGGG			41	13
2929-17000	00000/0000	2-20049/1780	08/08/77	20	2954	6523N 09814W	38.0	149.7	GGGG			41	14

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2929-17002	00000/0000	2-20049/1781	08/08/77	70	2354	6402N 09933W	38.9	147.6	GGGG			41	15
2929-17005	00000/0000	2-20049/1782	08/08/77	70	2954	6240N 10046W	39.8	145.7	FGGG			41	16
2929-17011	00000/0000	2-20049/1783	08/08/77	70	2954	6117N 10152W	40.6	143.8	GGGG			41	17
2929-17014	00000/0000	2-20049/1784	08/08/77	80	2954	5955N 10283W	41.4	142.0	GGGG			41	18
2929-17020	00000/0000	2-20049/1785	08/08/77	50	2954	5832N 10349W	42.2	140.1	GGGG			41	19
2929-17023	00000/0000	2-20049/1823	08/08/77	50	2954	5709N 10442W	43.0	138.4	GGGG			41	20
2929-17025	00000/0000	2-20049/1824	08/08/77	60	2954	5545N 10532W	43.7	136.6	GGGG			41	21
2929-17032	00000/0000	2-20049/1825	08/08/77	50	2954	5422N 10620W	44.5	134.8	GGGG			41	22
2929-17034	00000/0000	2-20049/1826	08/08/77	40	2954	5258N 10705W	45.2	133.0	GGGG			41	23
2929-17041	00000/0000	2-20049/1827	08/08/77	10	2954	5134N 10747W	45.8	131.2	GGGG			41	24
2929-17102	00000/0000	2-20049/1828	08/08/77	40	2954	3016N 11525W	51.5	102.7	GGGG			41	39
2929-18443	00000/0000	2-20049/1786	08/08/77	70	2955	6116N 12740W	40.6	143.8	GGGG			59	17
2929-18445	00000/0000	2-20049/1787	08/08/77	90	2955	5954N 12841W	41.4	142.0	GGGG			59	18
2929-18470	00000/0000	2-20049/1788	08/08/77	80	2955	5257N 13263W	45.1	133.0	GGGG			59	23
2929-20242	00000/0000	2-20049/1651	08/08/77	70	2956	7156N 14035W	33.3	161.8	GGGG			77	9
2929-22083	00000/0000	2-20049/1079	08/08/77	80	2957	6921N 17044W	35.2	156.4	GGFF			95	11
2930-00092	00000/0000	2-20049/1529	08/09/77	40	2958	1007N 13612E	47.9	77.4	GGGG		H	113	53
2930-00094	00000/0000	2-20049/1530	08/09/77	30	2958	0841N 13552E	47.4	75.8	GGGG		H	113	54
2930-00101	00000/0000	2-20049/1531	08/09/77	50	2958	0714N 13532E	46.8	74.4	GGGG		H	113	55
2930-00103	00000/0000	2-20049/1532	08/09/77	60	2958	0548N 13512E	46.2	73.0	GGGG		H	113	56
2930-00110	00000/0000	2-20049/1533	08/09/77	50	2958	0421N 13452E	45.5	71.6	GGGG		H	113	57
2930-01405	00000/0000	2-20049/1789	08/09/77	20	2959	5010N 12826E	46.4	129.5	GGGG			131	25
2930-01412	00000/0000	2-20049/1790	08/09/77	30	2959	4845N 12149E	47.0	127.7	GGGG			131	26
2930-01414	00000/0000	2-20049/1791	08/09/77	30	2959	4721N 12114E	47.6	125.9	GGGG			131	27
2930-01421	00000/0000	2-20049/1792	08/09/77	10	2959	4556N 12040E	48.1	124.1	GGGG			131	28
2930-01423	00000/0000	2-20049/1793	08/09/77	10	2959	4430N 12007E	48.6	122.2	GGGG			131	29
2930-01430	00000/0000	2-20049/1794	08/09/77	10	2959	4305N 11935E	49.1	120.3	GGGG			131	30
2930-01432	00000/0000	2-20049/1795	08/09/77	10	2959	4139N 11903E	49.5	118.4	GGGG			131	31
2930-01435	00000/0000	2-20049/1796	08/09/77	80	2959	4014N 11833E	49.9	116.5	GGGG			131	32
2930-01441	00000/0000	2-20049/1797	08/09/77	70	2959	3849N 11804E	50.3	114.6	GGGG			131	33
2930-01444	00000/0000	2-20049/1798	08/09/77	70	2959	3723N 11736E	50.6	112.7	GGGG			131	34
2930-01450	00000/0000	2-20049/1799	08/09/77	90	2959	3557N 11708E	50.8	110.7	GGGG			131	35
2930-01453	00000/0000	2-20049/1800	08/09/77	90	2959	3432N 11642E	51.1	108.7	GGGG			131	36
2930-01455	00000/0000	2-20049/1801	08/09/77	90	2959	3306N 11616E	51.2	106.8	GGGG			131	37
2930-01462	00000/0000	2-20049/1802	08/09/77	80	2959	3141N 11581E	51.4	104.8	GGGG			131	38
2930-01464	00000/0000	2-20049/1803	08/09/77	50	2959	3015N 11526E	51.5	102.8	GGGG			131	39

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV. AZIM.	SWN ELEV. AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2930-01471	00000/0000 2-20049/1804	08/09/77	30	2959	2849N 11502E	51.5 100.8		GGGG			131	40
2930-03223	00000/0000 2-20049/1805	08/09/77	30	2960	5548N 09934E	43.6 136.7		GGGG			149	21
2930-03225	00000/0000 2-20049/1806	08/09/77	30	2960	5424N 09847E	44.3 134.9		GGGG			149	22
2930-03314	00000/0000 2-20049/1859	08/09/77	40	2960	2434N 08807E	51.3 95.1		PPPP			149	43
2930-05052	00000/0000 2-20049/1444	08/09/77	50	2961	5710N 07434E	42.8 138.5		GGGG			167	20
2930-05054	00000/0000 2-20049/1445	08/09/77	80	2961	5547N 07343E	43.6 136.7		GGGG			167	21
2930-05061	00000/0000 2-20049/1446	08/09/77	70	2961	5423N 07256E	44.3 134.9		GGGG			167	22
2930-05063	00000/0000 2-20049/1447	08/09/77	60	2961	5259N 07211E	45.0 133.1		GGGG			167	23
2930-05070	00000/0000 2-20049/1448	08/09/77	70	2961	5135N 07129E	45.7 131.4		GGGG			167	24
2930-05072	00000/0000 2-20049/1449	08/09/77	60	2961	5011N 07049E	46.3 129.6		GGGG			167	25
2930-05075	00000/0000 2-20049/1893	08/09/77	50	2961	4846N 07012E	46.9 127.8		GGGG			167	26
2930-05093	00000/0000 2-20049/1894	08/09/77	10	2961	4307N 06756E	49.1 124.4		GGGG			167	30
2930-05095	00000/0000 2-20049/1895	08/09/77	0	2961	4142N 06725E	49.5 118.5		GGGG			167	31
2930-06481	00000/0000 2-20049/1883	08/09/77	30	2962	5833N 04936E	42.1 140.3		GGGG			185	19
2930-06495	00000/0000 2-20050/0451	08/09/77	10	2962	5258N 04621E	45.0 133.2		PPPP			185	23
2930-06501	00000/0000 2-20050/0452	08/09/77	30	2962	5134N 04539E	45.7 131.4		FFFF			185	24
2930-06504	00000/0000 2-20050/0453	08/09/77	40	2962	5010N 04459E	46.3 129.6		FFFF			185	25
2930-06510	00000/0000 2-20050/0454	08/09/77	40	2962	4846N 04422E	46.9 127.8		PPPP			185	26
2930-06513	00000/0000 2-20050/0455	08/09/77	40	2962	4721N 04345E	47.5 126.0		PPPP			185	27
2930-06515	00000/0000 2-20050/0456	08/09/77	40	2962	4556N 04311E	48.1 124.2		PPPP			185	28
2930-06524	00000/0000 2-20050/0457	08/09/77	60	2962	4306N 04206E	49.0 120.4		PPPP			185	30
2930-06531	00000/0000 2-20050/0458	08/09/77	70	2962	4141N 04135E	49.5 118.5		PPPP			185	31
2930-08312	00000/0000 2-20050/0459	08/09/77	90	2963	5832N 02350E	42.1 140.3		PPPP			203	19
2930-08315	00000/0000 2-20050/0460	08/09/77	90	2963	5709N 02237E	42.8 138.5		PPPP			203	20
2930-08321	00000/0000 2-20050/0461	08/09/77	70	2963	5545N 02207E	43.6 136.7		FFFF			203	21
2930-08324	00000/0000 2-20050/0462	08/09/77	40	2963	5421N 02119E	44.3 134.9		PPPP			203	22
2930-12214	00000/0000 2-20049/1884	08/09/77	10	2965	2259S 05216W	28.9 55.1		GGGG			239	76
2930-12221	00000/0000 2-20049/1885	08/09/77	10	2965	2425S 05238W	27.9 54.6		GGGG			239	77
2930-12223	00000/0000 2-20049/1886	08/09/77	30	2965	2550S 05301W	26.8 54.2		PPPP			239	78
2930-12230	00000/0000 2-20049/1887	08/09/77	90	2965	2717S 05324W	25.8 53.8		GGGG			239	79
2930-12232	00000/0000 2-20049/1888	08/09/77	50	2965	2842S 05348W	24.7 53.5		GGGG			239	80
2930-12235	00000/0000 2-20049/1889	08/09/77	30	2965	3008S 05412W	23.7 53.2		GGGG			239	81
2930-17092	00000/0000 2-20049/1860	08/09/77	80	2968	5258N 10828W	44.9 133.2		GGGG			42	23
2930-17095	00000/0000 2-20049/1861	08/09/77	40	2968	5134N 10910W	45.6 131.5		GGGG			42	24
2930-18524	00000/0000 2-20049/1862	08/09/77	90	2969	5258N 13418W	44.9 133.2		GGGG			40	23
2930-22423	00000/0000 2-20049/1890	08/09/77	10	2971	2718S 15142E	28.9 53.9		GGGG			96	79

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07104 SEP 15, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2930-22430	00000/0000	2-20049/1891	08/09/77	30	2971	28448 15118E	24.8	53.6	0000			96	80
2930-22432	00000/0000	2-20049/1891	08/09/77	10	2971	30108 15084E	23.7	53.3	0000			96	81
2931-00150	00000/0000	2-20049/1863	08/10/77	30	2972	1007N 13445E	48.0	77.8	0000			114	53
2931-00152	00000/0000	2-20049/1864	08/10/77	50	2972	0841N 13425E	47.4	76.3	0000		H	114	54
2931-00155	00000/0000	2-20049/1865	08/10/77	90	2972	0715N 13405E	46.8	74.8	0000		H	114	55
2931-00161	00000/0000	2-20049/1866	08/10/77	50	2972	0548N 13345E	46.2	73.4	0000		H	114	56
2931-00164	00000/0000	2-20049/1867	08/10/77	90	2972	0421N 13325E	45.6	72.0	0000		H	114	57
2931-01463	00000/0000	2-20049/1868	08/10/77	30	2973	5009N 12102E	46.2	129.7	0000			132	25
2931-01470	00000/0000	2-20049/1869	08/10/77	40	2973	4845N 12024E	46.8	128.0	0000			132	26
2931-01472	00000/0000	2-20049/1870	08/10/77	30	2973	4720N 11949E	47.3	126.2	0000			132	27
2931-01475	00000/0000	2-20049/1871	08/10/77	40	2973	4556N 11914E	47.9	124.3	0000			132	28
2931-01481	00000/0000	2-20049/1872	08/10/77	50	2973	4431N 11841E	48.4	122.5	0000			132	29
2931-01484	00000/0000	2-20049/1873	08/10/77	90	2973	4306N 11810E	48.9	120.6	0000			132	30
2931-01490	00000/0000	2-20049/1874	08/10/77	70	2973	4140N 11732E	49.3	118.8	0000			132	31
2931-01493	00000/0000	2-20049/1875	08/10/77	20	2973	4014N 11708E	49.7	116.9	0000			132	32
2931-01495	00000/0000	2-20049/1876	08/10/77	10	2973	3848N 11639E	50.1	115.0	0000			132	33
2931-01502	00000/0000	2-20049/1877	08/10/77	50	2973	3723N 11611E	50.4	113.0	0000			132	34
2931-01504	00000/0000	2-20049/1878	08/10/77	90	2973	3558N 11544E	50.7	111.1	0000			132	35
2931-01511	00000/0000	2-20049/1879	08/10/77	90	2973	3432N 11518E	50.9	109.1	0000			132	36
2931-01513	00000/0000	2-20049/1880	08/10/77	100	2973	3307N 11482E	51.1	107.2	FFFF			132	37
2931-01520	00000/0000	2-20049/1881	08/10/77	90	2973	3141N 11428E	51.2	105.2	0000			132	38
2931-01522	00000/0000	2-20049/1882	08/10/77	80	2973	3015N 11403E	51.3	103.2	0000			132	39
2931-01543	00000/0000	2-20050/0040	08/10/77	60	2973	2304N 11207E	51.1	93.5	0000			132	44
2931-06544	00000/0000	2-20050/0305	08/10/77	10	2976	5546N 04629E	43.3	136.9	0000			186	21
2931-06550	00000/0000	2-20050/0306	08/10/77	50	2976	5422N 04541E	44.1	135.1	FFFF			186	22
2931-06553	00000/0000	2-20050/0307	08/10/77	90	2976	5258N 04457E	44.8	133.4	PPFF			186	23
2931-06562	00000/0000	2-20050/0308	08/10/77	90	2976	5010N 04335E	46.1	129.8	PPP			186	25
2931-06571	00000/0000	2-20050/0309	08/10/77	30	2976	4722N 04220E	47.3	126.3	PGF			186	27
2931-06573	00000/0000	2-20050/0310	08/10/77	20	2976	4557N 04146E	47.8	124.4	0000			186	28
2931-06580	00000/0000	2-20050/0311	08/10/77	80	2976	4432N 04112E	48.4	122.6	PPPP			186	29
2931-08373	00000/0000	2-20050/0312	08/10/77	80	2977	5709N 02131E	42.6	138.6	0000			204	20
2931-08380	00000/0000	2-20050/0313	08/10/77	20	2977	5545N 02041E	43.3	136.9	0000			204	21
2931-08382	00000/0000	2-20050/0314	08/10/77	20	2977	5422N 01954E	44.1	135.1	0000			204	22
2931-12311	00000/0000	2-20049/1750	08/10/77	90	2979	35528 05720W	19.6	52.6	0000			240	85
2931-12313	00000/0000	2-20049/1751	08/10/77	70	2979	3717S 05747W	18.5	52.4	0000			240	86
2931-12320	00000/0000	2-20049/1752	08/10/77	60	2979	3843S 05815W	17.4	52.4	0000			240	87

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	ROLL NO./ MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2931-13542	00000/0000	2-20049/1748	08/10/77	20	2980	3308N	06549W	51.0	107.4	GG G		H	7	37
2931-13545	00000/0000	2-20049/1749	08/10/77	20	2980	3143N	06614W	51.2	105.4	GGGG		H	7	38
2931-17144	00000/0000	2-20050/0039	08/10/77	40	2982	5422N	10911W	44.0	135.2	FGGG			43	22
2931-17150	00000/0000	2-20050/0034	08/10/77	20	2982	5258N	10985W	44.7	133.4	FGGG			43	23
2931-17153	00000/0000	2-20050/0035	08/10/77	10	2982	5134N	11037W	45.3	131.7	FGGG			43	24
2931-22472	00000/0000	2-20049/1753	08/10/77	50	2985	24288	15059E	28.1	55.0	GGGG			97	77
2931-22475	00000/0000	2-20049/1754	08/10/77	10	2985	25548	15036E	27.1	54.5	GGGG			97	78
2931-22481	00000/0000	2-20049/1755	08/10/77	0	2985	27198	15014E	26.1	54.2	GGGG			97	79
2931-22484	00000/0000	2-20049/1756	08/10/77	0	2985	28458	14950E	25.0	53.8	GGGG			97	80
2931-22490	00000/0000	2-20049/1757	08/10/77	10	2985	30118	14926E	24.0	53.5	GGGG			97	81
2931-22502	00000/0000	2-20049/1758	08/10/77	10	2985	34288	14811E	20.7	52.8	GGGG			97	84
2931-22504	00000/0000	2-20049/1759	08/10/77	20	2985	35538	14745E	19.7	52.6	GGGG			97	85
2932-00204	00000/0000	2-20049/1760	08/11/77	50	2986	1006N	13320E	48.0	78.2	GGGG		H	115	53
2932-00210	00000/0000	2-20049/1761	08/11/77	40	2986	0840N	13300E	47.5	76.7	GGGG		H	115	54
2932-00213	00000/0000	2-20049/1762	08/11/77	70	2986	0714N	13240E	46.9	75.2	GGGG		H	115	55
2932-00222	00000/0000	2-20049/1763	08/11/77	40	2986	0420N	13200E	45.7	72.4	GGGG		H	115	57
2932-00331	00000/0000	2-20049/1764	08/11/77	50	2986	33028	12247E	21.8	53.0	GGGG			115	83
2932-01542	00000/0000	2-20049/1894	08/11/77	50	2987	4303N	11642E	48.7	121.0	GGGG			133	30
2932-01544	00000/0000	2-20049/1897	08/11/77	50	2987	4139N	11612E	49.1	119.1	GGGG			133	31
2932-01553	00000/0000	2-20049/1898	08/11/77	40	2987	3849N	11514E	49.9	115.3	GGGG			133	33
2932-01560	00000/0000	2-20049/1899	08/11/77	80	2987	3723N	11445E	50.2	113.4	GGGG			133	34
2932-01562	00000/0000	2-20049/1900	08/11/77	90	2987	3557N	11418E	50.5	111.5	GGGG			133	35
2932-01565	00000/0000	2-20049/1901	08/11/77	50	2987	3431N	11352E	50.8	109.5	GGGG			133	36
2932-01571	00000/0000	2-20049/1902	08/11/77	30	2987	3306N	11326E	51.0	107.6	GGGG			133	37
2932-01574	00000/0000	2-20049/1903	08/11/77	40	2987	3141N	11301E	51.1	105.6	GGGG			133	38
2932-01580	00000/0000	2-20049/1904	08/11/77	80	2987	3015N	11236E	51.2	103.7	GGGG			133	39
2932-01583	00000/0000	2-20049/1908	08/11/77	90	2987	2849N	11212E	51.3	101.7	GGGG			133	40
2932-03332	00000/0000	2-20050/0001	08/11/77	10	2988	5710N	09729E	42.3	138.8	GGGG			151	20
2932-03335	00000/0000	2-20050/0002	08/11/77	10	2988	5546N	09639E	43.1	137.1	GGGG			151	21
2932-03341	00000/0000	2-20050/0003	08/11/77	20	2988	5422N	09552E	43.8	135.3	GGGG			151	22
2932-03344	00000/0000	2-20050/0004	08/11/77	20	2988	5258N	09508E	44.5	133.6	GGGG			151	23
2932-03350	00000/0000	2-20050/0005	08/11/77	30	2988	5135N	09426E	45.2	131.8	GGGG			151	24
2932-03353	00000/0000	2-20050/0044	08/11/77	20	2988	5010N	09346E	45.9	130.1	PFFP			151	25
2932-03355	00000/0000	2-20050/0048	08/11/77	30	2988	4846N	09308E	46.5	128.3	PPPP			151	26
2932-03362	00000/0000	2-20050/0046	08/11/77	60	2988	4721N	09232E	47.1	126.5	PPPP			151	27
2932-03364	00000/0000	2-20050/0047	08/11/77	50	2988	4557N	09157E	47.6	124.7	FGFF			151	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANOSAT#2
OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	ROLL NO./ MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2932-03371	00000/0000	2-20050/0048	08/11/77	40	2988	4432N	09124E	48.2	122.9	PGFF			151	29
2932-03373	00000/0000	2-20050/0049	08/11/77	10	2988	4307N	09083E	48.6	121.0	FFFF			151	30
2932-03380	00000/0000	2-20050/0050	08/11/77	10	2988	4142N	09022E	49.1	119.2	FFGF			151	31
2932-03382	00000/0000	2-20050/0051	08/11/77	10	2988	4017N	08982E	49.5	117.3	FGGF			151	32
2932-03385	00000/0000	2-20050/0052	08/11/77	20	2988	3852N	08923E	49.9	115.4	GGGF			151	33
2932-03391	00000/0000	2-20050/0053	08/11/77	40	2988	3727N	08866E	50.2	113.5	PPFP			151	34
2932-03394	00000/0000	2-20050/0054	08/11/77	40	2988	3601N	08829E	50.5	111.6	FGFF			151	35
2932-03400	00000/0000	2-20050/0055	08/11/77	90	2988	3435N	08803E	50.7	109.6	GGGG			151	36
2932-03403	00000/0000	2-20050/0056	08/11/77	80	2988	3309N	08737E	50.9	107.7	FGGG			151	37
2932-03405	00000/0000	2-20050/0057	08/11/77	80	2988	3143N	08712E	51.1	105.7	FFFF			151	38
2932-03412	00000/0000	2-20050/0058	08/11/77	70	2988	3018N	08647E	51.2	103.8	FGGG			151	39
2932-03414	00000/0000	2-20050/0059	08/11/77	60	2988	2852N	08623E	51.3	101.8	FGGF			151	40
2932-03421	00000/0000	2-20050/0060	08/11/77	80	2988	2726N	08600E	51.3	99.8	FFGF			151	41
2932-03423	00000/0000	2-20050/0061	08/11/77	60	2988	2600N	08537E	51.3	97.9	FFGF			151	42
2932-03430	00000/0000	2-20050/0062	08/11/77	30	2988	2434N	08514E	51.2	96.0	FFGF			151	43
2932-03432	00000/0000	2-20050/0063	08/11/77	50	2988	2307N	08451E	51.1	94.1	FGGG			151	44
2932-03435	00000/0000	2-20050/0064	08/11/77	70	2988	2141N	08429E	50.9	92.2	FFGG			151	45
2932-03441	00000/0000	2-20050/0065	08/11/77	50	2988	2015N	08408E	50.7	90.3	FFGG			151	46
2932-03444	00000/0000	2-20050/0066	08/11/77	60	2988	1849N	08347E	50.4	88.5	FGGP			151	47
2932-03453	00000/0000	2-20050/0067	08/11/77	40	2988	1657N	08304E	49.8	84.9	PPPP			151	49
2932-03455	00000/0000	2-20050/0068	08/11/77	50	2988	1429N	08243E	49.4	83.2	FFFP			151	50
2932-03462	00000/0000	2-20050/0069	08/11/77	40	2988	1303N	08223E	49.0	81.5	FFFP			151	51
2932-03473	00000/0000	2-20050/0004	08/11/77	10	2988	0843N	08121E	47.5	76.8	GGGG			151	54
2932-03480	00000/0000	2-20050/0007	08/11/77	10	2988	0716N	08100E	46.9	75.3	GGGG			151	55
2932-03482	00000/0000	2-20050/0008	08/11/77	50	2988	0549N	08041E	46.3	73.9	GGGG			151	56
2932-05164	00000/0000	2-20049/1450	08/11/77	80	2989	5709N	07142E	42.3	138.8	FFFG			169	20
2932-05173	00000/0000	2-20049/1451	08/11/77	50	2989	5422N	07005E	43.8	135.3	GGGG			169	22
2932-05175	00000/0000	2-20049/1452	08/11/77	60	2989	5259N	06920E	44.5	133.6	GGGG			169	23
2932-05182	00000/0000	2-20049/1453	08/11/77	10	2989	5134N	06838E	45.2	131.8	GGGG			169	24
2932-05193	00000/0000	2-20050/0070	08/11/77	10	2989	4721N	06644E	47.1	126.5	FFFP			169	27
2932-05202	00000/0000	2-20049/1428	08/11/77	0	2989	4432N	06537E	48.1	122.9	GGGG			169	29
2932-05211	00000/0000	2-20050/0071	08/11/77	0	2989	4142N	06434E	49.1	119.2	FFFF			169	31
2932-05220	00000/0000	2-20050/0072	08/11/77	0	2989	3850N	06336E	49.9	115.4	GGGP			169	33
2932-05223	00000/0000	2-20050/0073	08/11/77	0	2989	3726N	06307E	50.2	113.5	FFGP			169	34
2932-05225	00000/0000	2-20050/0074	08/11/77	0	2989	3600N	06240E	50.5	111.6	PGFP			169	35
2932-05234	00000/0000	2-20050/0075	08/11/77	10	2989	3309N	06148E	50.9	107.7	FFGP			169	37

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2932-05241	00000/0000 2=20050/0076	08/11/77	20	2989	3142N 06123E	51.1	105.7	PPFP			169	38
2932-05255	00000/0000 2=20050/0077	08/11/77	70	2989	2559N 05947E	51.2	97.9	FFGP			169	42
2932-06591	00000/0000 2=20049/1429	08/11/77	70	2990	5954N 04742E	40.7	142.4	GGGG			187	18
2932-07002	00000/0000 2=20050/0078	08/11/77	60	2990	5544N 04501E	43.1	137.1	FFG			187	21
2932-07005	00000/0000 2=20050/0079	08/11/77	60	2990	5421N 04414E	43.8	135.3	FFGG			187	22
2932-07011	00000/0000 2=20050/0080	08/11/77	80	2990	5258N 04331E	44.5	133.6	FFFF			187	23
2932-07014	00000/0000 2=20050/0081	08/11/77	90	2990	5134N 04249E	45.2	131.8	PPPP			187	24
2932-07020	00000/0000 2=20050/0082	08/11/77	80	2990	5010N 04209E	45.8	130.1	FFFF			187	25
2932-07023	00000/0000 2=20050/0083	08/11/77	30	2990	4846N 04131E	46.5	128.3	FGGG			187	26
2932-07025	00000/0000 2=20050/0084	08/11/77	10	2990	4721N 04085E	47.1	126.5	FFGG			187	27
2932-07032	00000/0000 2=20050/0085	08/11/77	10	2990	4556N 04020E	47.6	124.7	FFFG			187	28
2932-07034	00000/0000 2=20050/0086	08/11/77	10	2990	4432N 03947E	48.1	122.9	FFFG			187	29
2932-12344	00000/0000 2=20049/1430	08/11/77	70	2993	28468 05640W	25.2	53.9	FFFG			241	80
2932-12353	00000/0000 2=20049/1431	08/11/77	80	2993	31378 05729W	23.0	53.4	FFFF			241	82
2932-12360	00000/0000 2=20049/1432	08/11/77	90	2993	33038 05754W	22.0	53.1	GGGG			241	83
2932-12362	00000/0000 2=20049/1433	08/11/77	90	2993	34288 05820W	20.9	52.9	GGGG			241	84
2932-12365	00000/0000 2=20049/1434	08/11/77	90	2993	35538 05846W	19.8	52.7	GGGG			241	85
2932-12371	00000/0000 2=20049/1438	08/11/77	80	2993	37198 05913W	18.7	52.6	FFFF			241	86
2932-12374	00000/0000 2=20049/1434	08/11/77	70	2993	38458 05941W	17.6	52.5	GGGG			241	87
2932-14000	00000/0000 2=20050/0031	08/11/77	20	2994	3307N 06717W	50.9	107.8	GGGF		H	8	37
2932-14003	00000/0000 2=20050/0032	08/11/77	20	2994	3141N 06742W	51.0	105.9	GGFG		H	8	38
2932-15382	00000/0000 2=20049/1038	08/11/77	80	2995	5009N 08685W	45.8	130.2	FG			26	25
2932-17202	00000/0000 2=20050/0036	08/11/77	50	2996	5421N 11039W	43.7	135.4	GGGG			44	22
2932-17205	00000/0000 2=20050/0037	08/11/77	80	2996	5257N 11123W	44.4	133.7	GG G			44	23
2932-17211	00000/0000 2=20050/0038	08/11/77	30	2996	5133N 11205W	45.1	131.5	GGGG			44	24
2932-17270	00000/0000 2=20050/0039	08/11/77	90	2996	3142N 11980W	51.0	105.9	GGGG			44	38
2932-20381	00000/0000 2=20050/0144	08/11/77	70	2998	8011N 10834W	24.4	201.2	FFGG			81	1
2932-20383	00000/0000 2=20050/0147	08/11/77	50	2998	7928N 11551W	25.4	193.8	GGGG			81	2
2932-20390	00000/0000 2=20050/0148	08/11/77	70	2998	7837N 12208W	26.4	187.2	GGGG			81	3
2932-20392	00000/0000 2=20050/0149	08/11/77	70	2998	7740N 12730W	27.5	181.3	PGGG			81	4
2932-20395	00000/0000 2=20050/0150	08/11/77	20	2998	7638N 13205W	28.5	176.5	GGGF			81	5
2932-20401	00000/0000 2=20050/0151	08/11/77	10	2998	7531N 13403W	29.5	172.2	GGGG			81	6
2932-20404	00000/0000 2=20050/0152	08/11/77	10	2998	7421N 13928W	30.5	168.4	GGGG			81	7
2932-20413	00000/0000 2=20050/0153	08/11/77	40	2998	7154N 14500W	32.5	162.0	FGGG			80	9
2932-22533	00000/0000 2=20050/0087	08/11/77	10	2999	25558 14911E	27.3	54.8	GGGG			98	78
2932-22535	00000/0000 2=20050/0088	08/11/77	10	2999	27218 14848E	26.3	54.4	GGGG			98	79

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0080

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2932-22542	00000/0000	2-20050/0089	08/11/77	40	2999	2846S 14824E	25.2	54.0	GGGG			98	80
2932-22544	00000/0000	2-20050/0090	08/11/77	80	2999	3012S 14800E	24.2	53.7	GGGG			98	81
2932-22551	00000/0000	2-20050/0091	08/11/77	90	2999	3138S 14736E	23.1	53.4	GGGG			98	82
2932-22553	00000/0000	2-20050/0092	08/11/77	90	2999	3303S 14710E	22.1	53.2	GGGG			98	83
2932-22560	00000/0000	2-20050/0093	08/11/77	90	2999	3429S 14645E	21.0	53.0	GGGG			98	84
2932-22562	00000/0000	2-20050/0094	08/11/77	80	2999	3554S 14619E	19.9	52.8	GGGG			98	85
2932-22565	00000/0000	2-20050/0095	08/11/77	40	2999	3720S 14582E	18.8	52.7	GGGG			98	86
2933-00164	00000/0000	2-20050/0094	08/12/77	80	3000	4305N 14106E	48.5	121.3	GGGG			116	30
2933-00262	00000/0000	2-20050/0097	08/12/77	30	3000	1008N 13185E	48.0	78.7	GGG		H	116	53
2933-00264	00000/0000	2-20050/0098	08/12/77	20	3000	0841N 13134E	47.5	77.1	GGGF		H	116	54
2933-00271	00000/0000	2-20050/0099	08/12/77	10	3000	0714N 13114E	46.9	75.6	GGGF		H	116	55
2933-00273	00000/0000	2-20050/0100	08/12/77	30	3000	0547N 13054E	46.4	74.2	GGFG		H	116	56
2933-00280	00000/0000	2-20050/0101	08/12/77	40	3000	0420N 13034E	45.7	72.8	GGGG		H	116	57
2933-00382	00000/0000	2-20050/0102	08/12/77	0	3000	3139S 12147E	23.1	53.5	GGGG			116	82
2933-00385	00000/0000	2-20050/0103	08/12/77	10	3000	3304S 12122E	22.1	53.2	GG G			116	83
2933-01575	00000/0000	2-20049/1437	08/12/77	10	3001	5011N 11810E	45.6	130.3	GGGG			134	25
2933-02002	00000/0000	2-20049/1438	08/12/77	10	3001	4142N 11446E	48.9	119.5	GGGG			134	31
2933-02005	00000/0000	2-20049/1439	08/12/77	10	3001	4017N 11417E	49.3	117.6	GGGG			134	32
2933-02011	00000/0000	2-20049/1440	08/12/77	10	3001	3851N 11348E	49.7	115.8	GGGG			134	33
2933-02014	00000/0000	2-20049/1441	08/12/77	40	3001	3726N 11320E	50.0	113.9	GGGG			134	34
2933-02020	00000/0000	2-20049/1442	08/12/77	80	3001	3600N 11253E	50.3	111.9	GGGG			134	35
2933-02023	00000/0000	2-20049/1443	08/12/77	90	3001	3435N 11226E	50.6	110.0	GGGG			134	36
2933-03390	00000/0000	2-20049/1454	08/12/77	20	3002	5710N 09605E	42.1	139.0	GGGG			152	20
2933-03393	00000/0000	2-20049/1458	08/12/77	40	3002	5547N 09515E	42.8	137.3	GGGG			152	21
2933-03395	00000/0000	2-20049/1456	08/12/77	70	3002	5424N 09428E	43.6	135.5	GGGG			152	22
2933-03402	00000/0000	2-20049/1457	08/12/77	90	3002	5300N 09344E	44.3	133.8	GGFG			152	23
2933-03404	00000/0000	2-20049/1458	08/12/77	80	3002	5136N 09301E	45.0	132.1	GGGG			152	24
2933-03413	00000/0000	2-20050/0154	08/12/77	60	3002	4847N 09144E	46.3	128.6	FFFF			152	26
2933-03420	00000/0000	2-20050/0155	08/12/77	70	3002	4723N 09108E	46.8	126.8	FFFF			152	27
2933-03434	00000/0000	2-20050/0156	08/12/77	0	3002	4142N 08857E	48.9	119.5	GGGF			152	31
2933-03440	00000/0000	2-20050/0157	08/12/77	0	3002	4017N 08828E	49.3	117.7	GGGF			152	32
2933-03443	00000/0000	2-20050/0158	08/12/77	30	3002	3852N 08789E	49.7	115.8	GGGF			152	33
2933-03445	00000/0000	2-20050/0159	08/12/77	30	3002	3726N 08731E	50.0	113.9	GGGF			152	34
2933-03452	00000/0000	2-20050/0160	08/12/77	40	3002	3601N 08705E	50.3	112.0	GGGG			152	35
2933-03454	00000/0000	2-20050/0161	08/12/77	40	3002	3435N 08638E	50.6	110.0	GGGG			152	36
2933-03461	00000/0000	2-20050/0162	08/12/77	60	3002	3310N 08612E	50.8	108.1	GGGG			152	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT#2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2933-03463	00000/0000 2=20050/0163	08/12/77	70	3002	3143N	08547E	51.0	106.1	FGGG		152	38
2933-03470	00000/0000 2=20050/0164	08/12/77	50	3002	3018N	08522E	51.1	104.2	FGGG		152	39
2933-03472	00000/0000 2=20050/0165	08/12/77	70	3002	2852N	08438E	51.1	102.2	GGGG		152	40
2933-03475	00000/0000 2=20050/0166	08/12/77	90	3002	2726N	08434E	51.2	100.3	GGGG		152	41
2933-03481	00000/0000 2=20050/0167	08/12/77	60	3002	2600N	08411E	51.2	98.4	GGGG		152	42
2933-03484	00000/0000 2=20050/0168	08/12/77	40	3002	2434N	08348E	51.1	96.4	FFFF		152	43
2933-03490	00000/0000 2=20050/0169	08/12/77	50	3002	2307N	08326E	51.0	94.5	FFFF		152	44
2933-03493	00000/0000 2=20050/0170	08/12/77	60	3002	2141N	08304E	50.8	92.6	FGGG		152	45
2933-03495	00000/0000 2=20050/0171	08/12/77	60	3002	2015N	08242E	50.6	90.8	FGGG		152	46
2933-03502	00000/0000 2=20050/0172	08/12/77	90	3002	1849N	08220E	50.4	88.9	GGGG		152	47
2933-03504	00000/0000 2=20050/0173	08/12/77	90	3002	1723N	08159E	50.1	87.1	GGGG		152	48
2933-03511	00000/0000 2=20050/0174	08/12/77	70	3002	1556N	08138E	49.8	85.4	FFGF		152	49
2933-03513	00000/0000 2=20050/0175	08/12/77	40	3002	1429N	08117E	49.4	83.7	FFGF		152	50
2933-03520	00000/0000 2=20050/0176	08/12/77	40	3002	1303N	8057E	49.0	82.0	FGGF		152	51
2933-05240	00000/0000 2=20050/0177	08/12/77	10	3003	5134N	06712E	45.0	132.1	FFGF		170	24
2933-05243	00000/0000 2=20050/0178	08/12/77	10	3003	5019N	06632E	45.6	130.3	FGGF		170	25
2933-05245	00000/0000 2=20050/0179	08/12/77	0	3003	4845N	06554E	46.2	128.6	FGGF		170	26
2933-05252	00000/0000 2=20050/0180	08/12/77	0	3003	4721N	06518E	46.8	126.8	FGGF		170	27
2933-05254	00000/0000 2=20050/0181	08/12/77	0	3003	4556N	06443E	47.4	125.0	GGGF		170	28
2933-05261	00000/0000 2=20050/0182	08/12/77	0	3003	4432N	06410E	47.9	123.2	GGGF		170	29
2933-05263	00000/0000 2=20050/0183	08/12/77	0	3003	4308N	06337E	48.4	121.4	GGGF		170	30
2933-05270	00000/0000 2=20050/0184	08/12/77	0	3003	4143N	06306E	48.9	119.5	FFFF		170	31
2933-05272	00000/0000 2=20050/0185	08/12/77	0	3003	4017N	06236E	49.3	117.7	FGGF		170	32
2933-05275	00000/0000 2=20050/0186	08/12/77	0	3003	3851N	06208E	49.7	115.8	GGGF		170	33
2933-05290	00000/0000 2=20050/0187	08/12/77	0	3003	3434N	06048E	50.2	109.0	FFGF		170	36
2933-05293	00000/0000 2=20050/0188	08/12/77	0	3003	3308N	06022E	50.3	108.1	FFFF		170	37
2933-05295	00000/0000 2=20050/0189	08/12/77	0	3003	3143N	05957E	50.9	106.2	FFFF		170	38
2933-05313	00000/0000 2=20050/0190	08/12/77	40	3003	2559N	05821E	51.2	98.4	FFGF		170	42
2933-07154	00000/0000 2=20050/0019	08/12/77	0	3004	2305N	03148E	51.0	94.6	GGGG		188	44
2933-07160	00000/0000 2=20050/0020	08/12/77	0	3004	2139N	03126E	50.8	92.7	GGGG		188	45
2933-12411	00000/0000 2=20050/0021	08/12/77	90	3007	3138S	05855W	23.3	53.6	GGGG		242	82
2933-12414	00000/0000 2=20050/0022	08/12/77	90	3007	3304S	05920W	22.2	53.3	FFFF		242	83
2933-12420	00000/0000 2=20050/0023	08/12/77	90	3007	3429S	05946W	21.1	53.1	FFFF		242	84
2933-12423	00000/0000 2=20050/0024	08/12/77	90	3007	3554S	06012W	20.0	52.9	GGGG		242	85
2933-12425	00000/0000 2=20050/0025	08/12/77		3007	3720S	06039W	19.0	52.8	GGGG		242	86
2933-12422	00000/0000 2=20050/0026	08/12/77		3007	3845S	06107W	17.9	52.7	FFFF		242	87

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
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FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2933-12434	00000/0000	2=20050/0027	08/12/77	10	3007	4011S	06135W	14.8	52.7	FGGG	242	88
2933-14143	00000/0000	2=20050/0009	08/12/77	40	3008	0254N	07616W	45.1	71.7	G G G	9	58
2933-14145	00000/0000	2=20050/0010	08/12/77	60	3008	0127N	07636W	44.4	70.4	GGGG	9	59
2933-14152	00000/0000	2=20050/0011	08/12/77	80	3008	0001N	07655W	43.7	69.2	GGGG	9	60
2933-14154	00000/0000	2=20050/0012	08/12/77	30	3008	0124S	07715W	43.0	68.0	GGGG	9	61
2933-17263	00000/0000	2=20050/0041	08/12/77	40	3010	5257N	11248W	44.1	133.9	FGFG	45	23
2933-17265	00000/0000	2=20050/0042	08/12/77	90	3010	5133N	11330W	44.8	132.2	GGGG	45	24
2933-17324	00000/0000	2=20050/0043	08/12/77	90	3010	3141N	12046W	50.9	106.3	GGGG	45	38
2933-20435	00000/0000	2=20050/0692	08/12/77	60	3012	8011N	11007W	24.1	201.3	GGFG	83	1
2933-20441	00000/0000	2=20050/0693	08/12/77	10	3012	7929N	11721W	25.1	193.8	GGFG	83	2
2933-20444	00000/0000	2=20050/0694	08/12/77	20	3012	7838N	12336W	26.1	187.2	GGGG	82	3
2933-20450	00000/0000	2=20050/0695	08/12/77	20	3012	7740N	12900W	27.2	181.5	FGGG	82	4
2933-20453	00000/0000	2=20050/0696	08/12/77	10	3012	7638N	13337W	28.2	176.6	FGFF	82	5
2933-20455	00000/0000	2=20050/0697	08/12/77	30	3012	7531N	13734W	29.2	172.3	FFGG	82	6
2933-20462	00000/0000	2=20050/0698	08/12/77	30	3012	7422N	14058W	30.2	168.5	GGGG	82	7
2933-20464	00000/0000	2=20050/0699	08/12/77	10	3012	7309N	14355W	31.2	165.1	FGGG	82	8
2933-20471	00000/0000	2=20050/0700	08/12/77	50	3012	7154N	14629W	32.2	162.1	FGGG	82	9
2933-22582	00000/0000	2=20050/0013	08/12/77	10	3013	2303S	14829E	22.6	55.9	GGGG	99	76
2933-22584	00000/0000	2=20050/0014	08/12/77	0	3013	2429S	14807E	28.6	55.5	GGGG	99	77
2933-23011	00000/0000	2=20050/0015	08/12/77	10	3013	3304S	14545E	22.3	53.4	GGGG	99	83
2933-23014	00000/0000	2=20050/0016	08/12/77	10	3013	3428S	14520E	21.2	53.2	GGGG	99	84
2933-23020	00000/0000	2=20050/0017	08/12/77	10	3013	3553S	14484E	20.1	53.0	FFFF	99	85
2933-23023	00000/0000	2=20050/0018	08/12/77	30	3013	3720S	14427E	19.0	52.9	GGGG	99	86
2934-00440	00000/0000	2=20050/0028	08/13/77	10	3014	3139S	12020E	23.4	53.7	GGGG	117	82
2934-00443	00000/0000	2=20050/0029	08/13/77	20	3014	3305S	11955E	22.3	53.4	GGGG	117	83
2934-00445	00000/0000	2=20050/0030	08/13/77	60	3014	3430S	11929E	21.2	53.2	GGGG	117	84
2934-02033	00000/0000	2=20050/0507	08/13/77	10	3015	5011N	11644E	45.4	130.6	GGGG	135	25
2934-02060	00000/0000	2=20050/0508	08/13/77	40	3015	4142N	11319E	48.7	119.9	GGGG	135	31
2934-02063	00000/0000	2=20050/0509	08/13/77	30	3015	4018N	11250E	49.1	118.0	GGGG	135	32
2934-02065	00000/0000	2=20050/0510	08/13/77	60	3015	3853N	11221E	49.5	116.1	GGFG	135	33
2934-02072	00000/0000	2=20050/0511	08/13/77	70	3015	3727N	11153E	49.9	114.2	GGGG	135	34
2934-02074	00000/0000	2=20050/0512	08/13/77	60	3015	3601N	11126E	50.2	112.3	FFGG	135	35
2934-02081	00000/0000	2=20050/0513	08/13/77	40	3015	3435N	11089E	50.4	110.4	GGGG	135	36
2934-03445	00000/0000	2=20050/0514	08/13/77	50	3016	5711N	09439E	41.8	139.2	FGGG	153	20
2934-03451	00000/0000	2=20050/0515	08/13/77	70	3016	5547N	09349E	42.6	137.5	FGGG	153	21
2934-03454	00000/0000	2=20050/0516	08/13/77	80	3016	5429N	09302E	43.3	135.7	GGGG	153	22

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER,
IMAGE QUALITY BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2934-03460	00000/0000	2-20050/0517	08/13/77	70	3016	5259N 09217E	44.0	134.0	GGGG			153	23
2934-03474	00000/0000	2-20050/0191	08/13/77	10	3016	4722N 08942E	46.6	127.1	FGF			153	27
2934-03481	00000/0000	2-20050/0192	08/13/77	0	3016	4557N 08907E	47.2	125.3	FGGF			153	28
2934-03483	00000/0000	2-20050/0518	08/13/77	0	3016	4432N 08833E	47.7	123.5	FGGG			153	29
2934-03490	00000/0000	2-20050/0519	08/13/77	10	3016	4307N 08801E	48.2	121.7	GGGG			153	30
2934-03492	00000/0000	2-20050/0193	08/13/77	20	3016	4142N 08730E	48.7	119.9	FFGG			153	31
2934-03495	00000/0000	2-20050/0194	08/13/77	10	3016	4017N 08701E	49.1	118.0	FFGF			153	32
2934-03501	00000/0000	2-20050/0195	08/13/77	30	3016	3852N 08633E	49.5	116.1	FFGG			153	33
2934-03504	00000/0000	2-20050/0196	08/13/77	50	3016	3726N 08606E	49.8	114.3	FGGG			153	34
2934-03510	00000/0000	2-20050/0197	08/13/77	50	3016	3600N 08539E	50.2	112.4	GGGG			153	35
2934-03513	00000/0000	2-20050/0198	08/13/77	90	3016	3435N 08513E	50.4	110.4	GFFG			153	36
2934-03515	00000/0000	2-20050/0199	08/13/77	90	3016	3309N 08446E	50.6	108.5	GGGG			153	37
2934-03522	00000/0000	2-20050/0200	08/13/77	70	3016	3143N 08421E	50.8	106.6	FGGF			153	38
2934-03524	00000/0000	2-20050/0201	08/13/77	60	3016	3017N 08357E	50.9	104.6	GGGG			153	39
2934-03531	00000/0000	2-20050/0202	08/13/77	90	3016	2851N 08333E	51.0	102.7	GFFG			153	40
2934-03533	00000/0000	2-20050/0203	08/13/77	100	3016	2725N 08309E	51.1	100.7	GGGF			153	41
2934-03540	00000/0000	2-20050/0204	08/13/77	90	3016	2559N 08245E	51.1	98.8	FFFG			153	42
2934-03542	00000/0000	2-20050/0205	08/13/77	90	3016	2433N 08222E	51.0	96.9	GGGG			153	43
2934-03545	00000/0000	2-20050/0206	08/13/77	90	3016	2308N 08200E	50.9	95.0	GGGG			153	44
2934-03551	00000/0000	2-20050/0207	08/13/77	90	3016	2142N 08138E	50.8	93.1	GGGG			153	45
2934-03554	00000/0000	2-20050/0208	08/13/77	90	3016	2015N 08116E	50.6	91.2	GGGF			153	46
2934-03560	00000/0000	2-20050/0209	08/13/77	90	3016	1848N 08054E	50.4	89.4	GGGG			153	47
2934-03563	00000/0000	2-20050/0210	08/13/77	60	3016	1722N 08033E	50.1	87.6	GGGG			153	48
2934-03565	00000/0000	2-20050/0211	08/13/77	80	3016	1556N 08012E	49.8	85.9	FFFF			153	49
2934-03572	00000/0000	2-20050/0212	08/13/77	10	3016	1429N 07952E	49.4	84.1	FFFF			153	50
2934-03574	00000/0000	2-20050/0213	08/13/77	50	3016	1303N 07931E	49.0	82.4	FGGF			153	51
2934-03581	00000/0000	2-20050/0214	08/13/77	20	3016	1136N 07911E	48.6	80.8	GGGF			153	52
2934-05280	00000/0000	2-20050/0520	08/13/77	50	3017	5709N 06849E	41.8	135.2	FGFG			171	20
2934-05283	00000/0000	2-20050/0521	08/13/77	80	3017	5546N 06789E	42.5	137.5	FGGG			171	21
2934-05285	00000/0000	2-20050/0522	08/13/77	90	3017	5422N 06712E	43.3	135.7	FGGF			171	22
2934-05292	00000/0000	2-20050/0523	08/13/77	80	3017	5258N 06687E	44.0	134.0	FGGG			171	23
2934-05294	00000/0000	2-20050/0524	08/13/77	70	3017	5134N 06545E	44.7	132.3	GGFG			171	24
2934-05301	00000/0000	2-20050/0525	08/13/77	30	3017	5009N 06505E	45.4	130.6	FGGG			171	25
2934-05303	00000/0000	2-20050/0215	08/13/77	10	3017	4845N 06427E	46.0	128.8	FFFF			171	26
2934-05310	00000/0000	2-20050/0216	08/13/77	0	3017	4721N 06381E	46.6	127.1	FGGG			171	27
2934-05312	00000/0000	2-20050/0217	08/13/77	0	3017	4556N 06317E	47.2	125.3	FGGG			171	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0084

OBSERVATION ID	MICROFILM POSITION REL	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2934-05315	00000/0000	2-20050/0218	08/13/77	0	3017	4432N 06244E	47.7	123.5	FGGG			171	29
2934-05321	00000/0000	2-20050/0219	08/13/77	0	3017	4306N 06212E	48.2	121.7	FFGF			171	30
2934-05324	00000/0000	2-20050/0220	08/13/77	0	3017	4141N 06140E	48.7	119.9	FGGG			171	31
2934-05330	00000/0000	2-20050/0221	08/13/77	10	3017	4016N 06110E	49.1	118.0	FFGG			171	32
2934-05333	00000/0000	2-20050/0222	08/13/77	0	3017	3850N 06041E	49.5	116.2	FGGG			171	33
2934-05335	00000/0000	2-20050/0223	08/13/77	0	3017	3725N 06014E	49.8	114.3	FGGF			171	34
2934-05342	00000/0000	2-20050/0224	08/13/77	0	3017	3600N 05947E	50.1	112.4	FFGG			171	35
2934-05344	00000/0000	2-20050/0225	08/13/77	0	3017	3434N 05921E	50.4	110.5	GFGG			171	36
2934-05351	00000/0000	2-20050/0226	08/13/77	0	3017	3308N 05856E	50.6	108.5	GGGG			171	37
2934-05353	00000/0000	2-20050/0227	08/13/77	0	3017	3142N 05831E	50.8	106.6	GGGF			171	38
2934-05360	00000/0000	2-20050/0228	08/13/77	0	3017	3017N 05807E	50.9	104.6	GGGG			171	39
2934-05362	00000/0000	2-20050/0229	08/13/77	10	3017	2852N 05743E	51.0	102.7	GGG			171	40
2934-05365	00000/0000	2-20050/0230	08/13/77	20	3017	2726N 05719E	51.1	100.8	GGGG			171	41
2934-12460	00000/0000	2-20050/0240	08/13/77	30	3021	2846S 05933W	25.6	54.4	FFFF			243	80
2934-12463	00000/0000	2-20050/0241	08/13/77	40	3021	3011S 05957W	24.5	54.1	GGGF			243	81
2934-12465	00000/0000	2-20050/0242	08/13/77	30	3021	3137S 06021W	23.5	53.8	GGGG			243	82
2934-12472	00000/0000	2-20050/0243	08/13/77	0	3021	3304S 06046W	22.4	53.5	GGGF			243	83
2934-12474	00000/0000	2-20050/0244	08/13/77	10	3021	3429S 06111W	21.4	53.3	FPP			243	84
2934-12481	00000/0000	2-20050/0245	08/13/77	10	3021	3554S 06138W	20.3	53.1	FFFF			243	85
2934-12483	00000/0000	2-20050/0246	08/13/77	30	3021	3719S 06205W	19.2	53.0	FFGG			243	86
2934-12490	00000/0000	2-20050/0247	08/13/77	50	3021	3845S 06234W	18.1	52.9	FGGF			243	87
2934-12492	00000/0000	2-20050/0248	08/13/77	90	3021	4011S 06303W	17.0	52.8	PPFP			243	88
2934-14210	00000/0000	2-20050/0249	08/13/77	40	3022	0001N 07821W	43.8	69.6	GGGG			10	60
2934-14213	00000/0000	2-20050/0250	08/13/77	50	3022	0124S 07841W	43.1	68.4	GGGG			10	61
2934-15492	00000/0000	2-20050/0250	08/13/77	90	3023	5134N 08908W	44.6	132.4	GGGG			28	24
2934-15494	00000/0000	2-20050/0260	08/13/77	70	3023	5010N 08948W	45.3	130.7	GGGG			28	25
2934-15571	00000/0000	2-20050/0304	08/13/77	20	3023	2431N 09822W	51.0	97.1	FGGG			28	43
2934-17312	00000/0000	2-20049/1050	08/13/77	50	3024	5545N 11242W	42.4	137.5	G			46	21
2934-17314	00000/0000	2-20049/1051	08/13/77	40	3024	5421N 11329W	43.2	135.8	GGGG			46	22
2934-17321	00000/0000	2-20049/1052	08/13/77	40	3024	5257N 11413W	43.9	134.1	GGGG			46	23
2934-17323	00000/0000	2-20049/1053	08/13/77	70	3024	5133N 11455W	44.6	132.4	GGGF			46	24
2934-17382	00000/0000	2-20049/1054	08/13/77	100	3024	3142N 12211W	50.7	106.8	GFGP			46	38
2934-20493	00000/0000	2-20050/0744	08/13/77	40	3026	8010N 11188W	23.8	201.3	GGGG			83	1
2934-20495	00000/0000	2-20050/0745	08/13/77	80	3026	7928N 11842W	24.8	193.8	GGGG			83	2
2934-20502	00000/0000	2-20050/0746	08/13/77	80	3026	7838N 12458W	25.8	187.3	GGGG			83	3
2934-20504	00000/0000	2-20050/0747	08/13/77	40	3026	7740N 13022W	26.9	181.6	GGGG			83	4

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0085

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS DATA 123 45678 MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2934-20511	00000/0000	2-20050/0748	08/13/77	40	3026	7637N 13489W	27.9	176.6	GGGG		83	5
2934-20513	00000/0000	2-20050/0749	08/13/77	40	3026	7531N 13856W	28.9	172.3	GGGG		83	6
2934-20520	00000/0000	2-20050/0750	08/13/77	10	3026	7421N 14219W	29.9	168.5	GGGG		83	7
2934-20522	00000/0000	2-20050/0751	08/13/77	40	3026	7310N 14516W	30.9	165.2	GG		83	8
2934-20525	00000/0000	2-20050/0752	08/13/77	70	3026	7156N 14750W	31.9	162.1	GGGG		82	9
2934-23040	00000/0000	2-20050/0251	08/13/77	0	3027	2303S 14703E	29.8	56.2	GGGG		100	76
2934-23072	00000/0000	2-20050/0252	08/13/77	10	3027	3431S 14351E	21.4	53.4	FGGG		100	84
2934-23074	00000/0000	2-20050/0253	08/13/77	20	3027	3556S 14325E	20.4	53.2	FGGG		100	85
2934-23081	00000/0000	2-20050/0254	08/13/77	60	3027	3721S 14259E	19.3	53.1	GFGG		100	86
2935-00492	00000/0000	2-20050/0255	08/14/77	90	3028	3014S 11919E	24.6	54.2	GGGG		118	81
2935-00495	00000/0000	2-20050/0256	08/14/77	20	3028	3139S 11855E	23.6	53.9	GGGG		118	82
2935-00501	00000/0000	2-20050/0257	08/14/77	40	3028	3305S 11830E	22.5	53.6	GGGG		118	83
2935-00504	00000/0000	2-20050/0258	08/14/77	40	3028	3431S 11805E	21.5	53.4	GGGG		118	84
2935-02085	00000/0000	2-20050/0261	08/14/77	10	3029	5135N 11559E	44.5	132.5	GGGG		136	24
2935-02092	00000/0000	2-20050/0262	08/14/77	10	3029	5011N 11519E	45.1	130.8	GGGG		136	25
2935-02121	00000/0000	2-20050/0263	08/14/77	10	3029	4017N 11125E	48.9	118.4	GGGG		136	32
2935-02124	00000/0000	2-20050/0264	08/14/77	20	3029	3851N 11056E	49.3	116.5	GGGG		136	33
2935-02133	00000/0000	2-20050/0265	08/14/77	90	3029	3600N 11001E	50.0	112.7	GGGG		136	35
2935-02135	00000/0000	2-20050/0266	08/14/77	90	3029	3435N 10935E	50.3	110.8	GGGG		136	36
2935-03503	00000/0000	2-20050/0267	08/14/77	60	3030	5710N 09311E	41.5	139.4	GGGG		154	20
2935-03505	00000/0000	2-20050/0268	08/14/77	80	3030	5547N 09221E	42.3	137.7	GGGG		154	21
2935-03512	00000/0000	2-20050/0269	08/14/77	70	3030	5424N 09134E	43.0	136.0	GGGG		154	22
2935-03514	00000/0000	2-20050/0270	08/14/77	30	3030	5259N 09050E	43.8	134.3	GGGG		154	23
2935-03541	00000/0000	2-20050/0271	08/14/77	30	3030	4431N 08706E	47.5	123.8	GGGG		154	29
2935-03544	00000/0000	2-20050/0104	08/14/77	40	3030	4307N 08634E	48.0	122.0	GGGG		154	30
2935-05341	00000/0000	2-20050/0105	08/14/77	30	3031	5545N 06630E	42.3	137.7	GGGG		172	21
2935-05343	00000/0000	2-20050/0106	08/14/77	20	3031	5422N 06543E	43.0	136.0	GGGG		172	22
2935-05350	00000/0000	2-20050/0107	08/14/77	10	3031	5258N 06459E	43.7	134.3	GGGG		172	23
2935-05352	00000/0000	2-20050/0108	08/14/77	20	3031	5134N 06418E	44.4	132.6	GGGG		172	24
2935-05355	00000/0000	2-20050/0109	08/14/77	30	3031	5010N 06338E	45.1	130.8	GGGG		172	25
2935-12515	00000/0000	2-20050/0110	08/14/77	0	3035	2846S 06059W	25.8	54.6	FFFF		244	80
2935-12521	00000/0000	2-20050/0111	08/14/77	0	3035	3012S 06123W	24.8	54.3	PPPP		244	81
2935-12530	00000/0000	2-20050/0112	08/14/77	70	3035	3304S 06212W	22.7	53.7	PPFF		244	93
2935-12533	00000/0000	2-20050/0122	08/14/77	40	3035	3430S 06237W	21.6	53.5	P		244	84
2935-12535	00000/0000	2-20050/0113	08/14/77	60	3035	3555S 06304W	20.5	53.3	FFFF		244	85
2935-12542	00000/0000	2-20050/0114	08/14/77	30	3035	3720S 04331W	19.4	53.2	FFFF		244	86

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, 1979

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0086

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV. AZIM.	SUN	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2935-12544	00000/0000	2-20050/0115	08/14/77	20	3035	3846S	06389W	18.4 53.1	GGGG			244	87
2935-14123	00000/0000	2-20050/0299	08/14/77	70	3036	4845N	06602W	45.7 129.2	GGPG			11	26
2935-14153	00000/0000	2-20050/0300	08/14/77	70	3036	3850N	06947W	49.2 116.7	QFGF			11	33
2935-14155	00000/0000	2-20050/0301	08/14/77	30	3036	3724N	07015W	49.6 114.8	GGGG			11	34
2935-14162	00000/0000	2-20050/0302	08/14/77	30	3036	3558N	07042W	49.9 112.9	GGGG			11	35
2935-14164	00000/0000	2-20050/0303	08/14/77	30	3036	3432N	07109W	50.2 111.0	GGGG			11	36
2935-15552	00000/0000	2-20050/0463	08/14/77	90	3037	5010N	09114W	48.0 130.9	GGGG			29	25
2935-16025	00000/0000	2-20050/0464	08/14/77	30	3037	2431N	09947W	50.9 97.6	GGGG			29	43
2935-19172	00000/0000	2-20050/0239	08/14/77	10	3039	6524N	13236W	36.2 150.4	GGGG			65	14
2935-20562	00000/0000	2-20050/0650	08/14/77	80	3040	7741N	13151W	26.5 181.6	FGGG			84	4
2935-20565	00000/0000	2-20050/0651	08/14/77	10	3040	7638N	13627W	27.6 176.7	GGGG			84	5
2935-20571	00000/0000	2-20050/0652	08/14/77	10	3040	7531N	14024W	28.6 172.4	GGGG			84	6
2935-20574	00000/0000	2-20050/0653	08/14/77	10	3040	7421N	14348W	29.6 168.6	GGGG			84	7
2935-20580	00000/0000	2-20050/0654	08/14/77	40	3040	7309N	14645W	30.6 165.2	GGGG			84	8
2935-20583	00000/0000	2-20050/0655	08/14/77	30	3040	7155N	14920W	31.5 162.2	GGGG			84	9
2935-23130	00000/0000	2-20050/0116	08/14/77	0	3041	3430S	14225E	21.7 53.6	GGGG			101	84
2935-23133	00000/0000	2-20050/0117	08/14/77	30	3041	3555S	14189E	20.6 53.4	GGGG			101	85
2935-23135	00000/0000	2-20050/0118	08/14/77	60	3041	3721S	14133E	19.5 53.3	GGGG			101	86
2936-00550	00000/0000	2-20050/0119	08/15/77	0	3042	3011S	11784E	24.9 54.4	GGGG			119	81
2936-00553	00000/0000	2-20050/0120	08/15/77	20	3042	3137S	11729E	23.9 54.1	GGGG			119	82
2936-00555	00000/0000	2-20050/0121	08/15/77	70	3042	3302S	11704E	22.8 53.8	GGGG			119	83
2936-02150	00000/0000	2-20050/0272	08/15/77	10	3043	5010N	11353E	44.9 131.1	GGGG			137	25
2936-02175	00000/0000	2-20050/0273	08/15/77	10	3043	4018N	11000E	48.7 118.7	GGGG			137	32
2936-02182	00000/0000	2-20050/0274	08/15/77	10	3043	3852N	10931E	49.1 116.9	GGGG			137	33
2936-02184	00000/0000	2-20050/0275	08/15/77	10	3043	3727N	10902E	49.5 115.0	FGGG			137	34
2936-02191	00000/0000	2-20050/0276	08/15/77	30	3043	3600N	10835E	49.8 113.1	GGGG			137	35
2936-02193	00000/0000	2-20050/0277	08/15/77	60	3043	3435N	10808E	50.1 111.2	GFGG			137	36
2936-02200	00000/0000	2-20050/0278	08/15/77	90	3043	3309N	10742E	50.3 109.3	GFGG			137	37
2936-02202	00000/0000	2-20050/0279	08/15/77	90	3043	3143N	10716E	50.5 107.4	GGGG			137	38
2936-02205	00000/0000	2-20050/0280	08/15/77	100	3043	3017N	10682E	50.7 105.5	GGGG			137	39
2936-03561	00000/0000	2-20050/0318	08/15/77	70	3044	5710N	09146E	41.2 139.6	GGGG			155	20
2936-03563	00000/0000	2-20050/0316	08/15/77	60	3044	5547N	09086E	42.0 137.9	GGGG			155	21
2936-03570	00000/0000	2-20050/0317	08/15/77	50	3044	5423N	09009E	42.8 136.2	GGGG			155	22
2936-03572	00000/0000	2-20050/0318	08/15/77	90	3044	5259N	08924E	43.5 134.5	GFGG			155	23
2936-05392	00000/0000	2-20050/0319	08/15/77	80	3045	5710N	06538E	41.2 139.6	GGGG			173	20
2936-05395	00000/0000	2-20050/0320	08/15/77	60	3045	5547N	06508E	42.0 137.9	GGGF			173	21

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, 1977

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0087

OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE QUAL RBV	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2936-05401	00000/0000	2=20050/0321	08/15/77	20	3045	5423N	06421E	42.8	136.2	0000		173	22
2936-05404	00000/0000	2=20050/0322	08/15/77	10	3045	5259N	06336E	43.5	134.5	0000		173	23
2936-05410	00000/0000	2=20050/0323	08/15/77	10	3045	5134N	06254E	44.2	132.8	0000		173	24
2936-05413	00000/0000	2=20050/0324	08/15/77	10	3045	5010N	06214E	44.9	131.1	0000		173	25
2936-05415	00000/0000	2=20050/0325	08/15/77	20	3045	4845N	06137E	45.5	129.4	0000		173	26
2936-07215	00000/0000	2=20050/0360	08/15/77	90	3046	5955N	04158E	39.6	143.0	0000		191	18
2936-07221	00000/0000	2=20050/0361	08/15/77	90	3046	5832N	04101E	40.4	141.3	0000		191	19
2936-07224	00000/0000	2=20050/0362	08/15/77	90	3046	5709N	04008E	41.2	139.6	0000		191	20
2936-07230	00000/0000	2=20050/0363	08/15/77	80	3046	5545N	03918E	42.0	137.9	0000		191	21
2936-07233	00000/0000	2=20050/0364	08/15/77	90	3046	5421N	03830E	42.7	136.2	0000		191	22
2936-07235	00000/0000	2=20050/0365	08/15/77	90	3046	5258N	03746E	43.5	134.5	0000		191	23
2936-07242	00000/0000	2=20050/0366	08/15/77	90	3046	5134N	03704E	44.2	132.8	0000		191	24
2936-07244	00000/0000	2=20050/0367	08/15/77	90	3046	5009N	03624E	44.8	131.1	0000		191	25
2936-07251	00000/0000	2=20050/0368	08/15/77	40	3046	4845N	03547E	45.5	129.4	0000		191	26
2936-07253	00000/0000	2=20050/0369	08/15/77	10	3046	4720N	03511E	46.1	127.7	0000		191	27
2936-07260	00000/0000	2=20050/0370	08/15/77	10	3046	4555N	03436E	46.7	125.9	0000		191	28
2936-07262	00000/0000	2=20050/0371	08/15/77	20	3046	4430N	03403E	47.2	124.2	0000		191	29
2936-10482	00000/0000	2=20050/0344	08/15/77	90	3048	5956N	00935W	39.5	143.1	F000	H	227	18
2936-10485	00000/0000	2=20050/0345	08/15/77	80	3048	5833N	01032W	40.4	141.4	F000	H	227	19
2936-10491	00000/0000	2=20050/0346	08/15/77	90	3048	5711N	01125W	41.2	139.6	0000	H	227	20
2936-14172	00000/0000	2=20050/0372	08/15/77	80	3050	5134N	06609W	44.1	132.9	0000		12	24
2936-14175	00000/0000	2=20050/0373	08/15/77	60	3050	5010N	06650W	44.8	131.2	FFFF		12	25
2936-14181	00000/0000	2=20050/0374	08/15/77	50	3050	4845N	06728W	45.4	129.5	0000		12	26
2936-14222	00000/0000	2=20050/0375	08/15/77	50	3050	4720N	07235W	50.0	111.4	0000		12	36
2936-14225	00000/0000	2=20050/0376	08/15/77	40	3050	4609N	07301W	50.3	109.5	0000		12	37
2936-14231	00000/0000	2=20050/0377	08/15/77	20	3050	4422N	07325W	50.5	107.6	0000		12	38
2936-16004	00000/0000	2=20050/0465	08/15/77	50	3051	5134N	09159W	44.1	132.9	0000		30	24
2936-16010	00000/0000	2=20050/0466	08/15/77	80	3051	5009N	09239W	44.8	131.2	0000		30	25
2936-17442	00000/0000	2=20050/0475	08/15/77	10	3052	5012N	11826W	44.7	131.3	0000		48	25
2936-19223	00000/0000	2=20050/0380	08/15/77	0	3053	6644N	13235W	35.0	152.6	F000		66	13
2936-21005	00000/0000	2=20050/0474	08/15/77	100	3054	8011N	11425W	23.1	201.3	0000		86	1
2936-21012	00000/0000	2=20050/0477	08/15/77	100	3054	7929N	12141W	24.2	193.9	F000		86	2
2936-21014	00000/0000	2=20050/0478	08/15/77	70	3054	7838N	12765W	25.2	187.3	F000		85	3
2936-21021	00000/0000	2=20050/0479	08/15/77	70	3054	7741N	13317W	26.2	181.6	0000		85	4
2936-21023	00000/0000	2=20050/0480	08/15/77	90	3054	7638N	13754W	27.3	176.7	0000		85	5
2936-21030	00000/0000	2=20050/0481	08/15/77	90	3054	7531N	14150W	28.3	172.4	F000		85	6

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0088

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2936-21032	00000/0000	2-20050/0482	08/15/77	80	3054	7422N	14513W	29.3	168.6	GGG		85	7
2936-21035	00000/0000	2-20050/0483	08/15/77	30	3054	7309N	14510W	30.3	165.3	GGGG		85	8
2936-21041	00000/0000	2-20050/0484	08/15/77	50	3054	7155N	15045W	31.2	162.3	GGGG		85	9
2936-23184	00000/0000	2-20050/0347	08/15/77	0	3055	3432S	14100E	21.9	53.8	GGGG		102	84
2936-23191	00000/0000	2-20050/0348	08/15/77	40	3055	3557S	14033E	20.9	53.6	PPPP		102	85
2937-01002	00000/0000	2-20050/0349	08/16/77	0	3056	2845S	11650E	26.2	55.0	GGGG		120	80
2937-01004	00000/0000	2-20050/0350	08/16/77	10	3056	3011S	11627E	25.1	54.6	GGGG		120	81
2937-01011	00000/0000	2-20050/0351	08/16/77	0	3056	3137S	11602E	24.1	54.3	GGGG		120	82
2937-02233	00000/0000	2-20050/0352	08/16/77	0	3057	4018N	10832E	48.5	119.1	GGGG		138	32
2937-02240	00000/0000	2-20050/0353	08/16/77	10	3057	3853N	10804E	45.9	117.3	GGGG		138	33
2937-02242	00000/0000	2-20050/0354	08/16/77	10	3057	3727N	10736E	49.3	115.4	GGGG		138	34
2937-02245	00000/0000	2-20050/0355	08/16/77	10	3057	3601N	10708E	49.8	113.5	GGGG		138	35
2937-02251	00000/0000	2-20050/0356	08/16/77	20	3057	3435N	10641E	49.9	111.7	GGGG		138	36
2937-02254	00000/0000	2-20050/0357	08/16/77	10	3057	3308N	10615E	50.2	109.8	GGGG		138	37
2937-02260	00000/0000	2-20050/0358	08/16/77	50	3057	3143N	10550E	50.4	107.9	GGGG		138	38
2937-02263	00000/0000	2-20050/0359	08/16/77	30	3057	3017N	10526E	50.6	105.9	GGGG		138	39
2937-05450	00000/0000	2-20050/0407	08/16/77	90	3059	5710N	06429E	40.9	139.8	FGGG		174	20
2937-05453	00000/0000	2-20050/0408	08/16/77	90	3059	5546N	06340E	41.7	138.1	FGGG		174	21
2937-05455	00000/0000	2-20050/0409	08/16/77	70	3059	5423N	06253E	42.5	136.4	GGGG		174	22
2937-05462	00000/0000	2-20050/0410	08/16/77	70	3059	5258N	06208E	43.2	134.7	GGGG		174	23
2937-05464	00000/0000	2-20050/0411	08/16/77	80	3059	5134N	06126E	43.9	133.0	GGGG		174	24
2937-05471	00000/0000	2-20050/0412	08/16/77	30	3059	5009N	06046E	44.6	131.4	GGGG		174	25
2937-05473	00000/0000	2-20050/0413	08/16/77	10	3059	4845N	06008E	45.3	129.7	GGGG		174	26
2937-05521	00000/0000	2-20050/0414	08/16/77	0	3059	3307N	05437E	50.2	109.8	GGGG		174	37
2937-05523	00000/0000	2-20050/0415	08/16/77	0	3059	3141N	05413E	50.4	107.9	GGGG		174	38
2937-05530	00000/0000	2-20050/0416	08/16/77	0	3059	3015N	05348E	50.5	106.0	GGGG		174	39
2937-10540	00000/0000	2-20050/0417	08/16/77	80	3062	5956N	01101W	39.2	143.3	GGGG	H	228	18
2937-10543	00000/0000	2-20050/0418	08/16/77	80	3062	5834N	01189W	40.1	141.5	GGGG	H	228	19
2937-10545	00000/0000	2-20050/0419	08/16/77	70	3062	5711N	01253W	40.9	139.8	GGGG	H	228	20
2937-13040	00000/0000	2-20050/0420	08/16/77	60	3063	3140S	06438W	24.2	54.4	FFFF		246	82
2937-13042	00000/0000	2-20050/0421	08/16/77	50	3063	3306S	06502W	23.1	54.1	PPPP		246	83
2937-13045	00000/0000	2-20050/0422	08/16/77	10	3063	3431S	06528W	22.1	53.9	PPPP		246	84
2937-14233	00000/0000	2-20050/0701	08/16/77	70	3064	5009N	06816W	44.5	131.4	GGGG		13	25
2937-14235	00000/0000	2-20050/0702	08/16/77	70	3064	4844N	06855W	45.2	129.8	GGGG		13	26
2937-14292	00000/0000	2-20050/0703	08/16/77	10	3064	3016N	07516W	50.5	106.1	GGGG		13	39
2937-14294	00000/0000	2-20050/0704	08/16/77	30	3064	2850N	07540W	50.6	104.2	GGGG		13	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2
OBSERVATION ID LISTING
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FROM 08/01/77 TO 08/31/77

PAGE 0089

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2937-14301	00000/0000	2-20050/0705	08/16/77	60	3064	2723N 07504W	50.7	102.3	GGGG			13	41
2937-16062	00000/0000	2-20050/0656	08/16/77	70	3065	5136N 09325W	43.8	133.2	GGGG			31	24
2937-16064	00000/0000	2-20050/0657	08/16/77	30	3065	5012N 09404W	44.5	131.5	GGGG			31	25
2937-21063	00000/0000	2-20050/0424	08/16/77	90	3068	8011N 11550W	22.3	201.4	GGGG			87	1
2937-21070	00000/0000	2-20050/0427	08/16/77	90	3068	7929N 12304W	23.8	193.9	GGGG			87	2
2937-21072	00000/0000	2-20050/0428	08/16/77	90	3068	7838N 12921W	24.9	187.4	GGGG			86	3
2937-21075	00000/0000	2-20050/0429	08/16/77	90	3068	7740N 13444W	25.9	181.7	GGGG			86	4
2937-21081	00000/0000	2-20050/0430	08/16/77	80	3068	7638N 13919W	26.9	176.7	GGGG			86	5
2937-21084	00000/0000	2-20050/0431	08/16/77	100	3068	7532N 14315W	27.9	172.5	GGGG			86	6
2937-21090	00000/0000	2-20050/0432	08/16/77	100	3068	7422N 148W	29.0	168.7	GGGG			86	7
2937-21093	00000/0000	2-20050/0433	08/16/77	100	3068	7309N 143W	29.9	165.4	GGGG			86	8
2937-23242	00000/0000	2-20050/0423	08/16/77	70	3069	3430S 139W	22.2	54.0	GGGF			102	84
2938-01060	00000/0000	2-20050/0424	08/17/77	30	3070	2846S 11524E	26.4	55.2	GGGF			121	80
2938-01062	00000/0000	2-20050/0425	08/17/77	80	3070	3012S 11503E	25.4	54.8	GGGF			121	81
2938-02255	00000/0000	2-20050/0281	08/17/77	30	3071	5135N 11140E	43.7	133.3	GGGG			139	24
2938-02291	00000/0000	2-20050/0282	08/17/77	10	3071	4018N 10706E	48.3	119.5	GGPF			139	32
2938-02294	00000/0000	2-20050/0283	08/17/77	40	3071	3852N 10637E	48.7	117.6	GGPG			139	33
2938-02300	00000/0000	2-20050/0284	08/17/77	10	3071	3726N 10609E	49.1	115.8	GGGG			139	24
2938-02303	00000/0000	2-20050/0285	08/17/77	10	3071	3601N 10542E	49.5	113.9	GGGG			139	35
2938-02305	00000/0000	2-20050/0286	08/17/77	20	3071	3436N 10516E	49.8	112.1	GGGG			139	36
2938-02312	00000/0000	2-20050/0287	08/17/77	50	3071	3309N 10450E	50.0	110.2	GGGG			139	37
2938-02314	00000/0000	2-20050/0288	08/17/77	80	3071	3143N 10424E	50.3	108.3	GGFG			139	38
2938-02321	00000/0000	2-20050/0289	08/17/77	40	3071	3016N 10400E	50.4	106.4	GGGG			139	39
2938-04070	00000/0000	2-20050/0290	08/17/77	60	3072	5833N 08948E	39.9	141.7	GGGG			157	19
2938-04073	00000/0000	2-20050/0291	08/17/77	50	3072	5710N 08854E	40.7	140.0	GGGG			157	20
2938-04075	00000/0000	2-20050/0292	08/17/77	10	3072	5547N 08804E	41.5	138.3	GGGG			157	21
2938-04082	00000/0000	2-20050/0293	08/17/77	20	3072	5423N 08717E	42.2	136.6	GGGG			157	22
2938-04084	00000/0000	2-20050/0294	08/17/77	20	3072	5259N 08632E	43.0	135.0	GGGG			157	23
2938-04091	00000/0000	2-20050/0295	08/17/77	10	3072	5135N 08550E	43.7	133.3	GGGG			157	24
2938-04093	00000/0000	2-20050/0296	08/17/77	10	3072	5010N 08511E	44.4	131.6	GGGG			157	25
2938-04100	00000/0000	2-20050/0297	08/17/77	10	3072	4846N 08432E	45.0	129.9	GGGG			157	26
2938-04102	00000/0000	2-20050/0298	08/17/77	10	3072	4721N 08356E	45.6	128.2	GGGG			157	27
2938-05502	00000/0000	2-20050/0438	08/17/77	90	3073	5832N 06356E	39.9	141.7	GGGG			175	19
2938-05505	00000/0000	2-20050/0439	08/17/77	80	3073	5705N 06303E	40.7	140.0	GGGG			175	20
2938-05511	00000/0000	2-20050/0440	08/17/77	70	3073	5546N 06213E	41.4	138.3	GGGG			175	21
2938-05514	00000/0000	2-20050/0599	08/17/77	70	3073	5422N 06186E	42.2	136.6	GGGG			175	22

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	ROLL NO. MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2938-05520	00000/0000	2-20050/0600	08/17/77	50	3073	5258N	06042E	42.9	135.0	0000			175	23
2938-05523	00000/0000	2-20050/0601	08/17/77	80	3073	5134N	06000E	43.7	133.3	0000			175	24
2938-05525	00000/0000	2-20050/0602	08/17/77	40	3073	5009N	05920E	44.3	131.6	0000			175	25
2938-05532	00000/0000	2-20050/0603	08/17/77	30	3073	4845N	05842E	45.0	129.9	0000			175	26
2938-10592	00000/0000	2-20050/0604	08/17/77	90	3076	6119N	01125W	38.1	145.2	0000		H	229	17
2938-10594	00000/0000	2-20050/0605	08/17/77	90	3076	5956N	01227W	39.0	143.4	0000		H	229	18
2938-11001	00000/0000	2-20050/0606	08/17/77	70	3076	5833N	01226W	39.8	141.7	0000		H	229	19
2938-11003	00000/0000	2-20050/0607	08/17/77	20	3076	5710N	01419W	40.6	140.0	0000		H	229	20
2938-14361	00000/0000	2-20050/0378	08/17/77	80	3078	2600N	07752W	50.6	101.0	0000			14	42
2938-14364	00000/0000	2-20050/0379	08/17/77	60	3078	2434N	07815W	50.6	99.1	0000			14	43
2938-16122	00000/0000	2-20050/0434	08/17/77	50	3079	5012N	09530W	44.2	131.8	F 00			32	25
2938-16193	00000/0000	2-20050/0435	08/17/77	10	3079	2601N	10341W	50.6	101.0	0000			32	42
2938-16195	00000/0000	2-20050/0436	08/17/77	10	3079	2434N	10404W	50.6	99.1	F 00			32	43
2938-16202	00000/0000	2-20050/0437	08/17/77	10	3079	2307N	10427W	50.6	97.2	0000			32	44
2938-21121	00000/0000	2-20050/0467	08/17/77	80	3082	8012N	11651W	22.4	201.7	0000			88	1
2938-21124	00000/0000	2-20050/0468	08/17/77	90	3082	7931N	12407W	23.5	194.2	0000			88	2
2938-21130	00000/0000	2-20050/0469	08/17/77	80	3082	7840N	13028W	24.5	187.6	0000			87	3
2938-21133	00000/0000	2-20050/0470	08/17/77	90	3082	7743N	13556W	25.6	181.9	0000			87	4
2938-21135	00000/0000	2-20050/0471	08/17/77	80	3082	7640N	14035W	26.6	177.0	0000			87	5
2938-21142	00000/0000	2-20050/0472	08/17/77	90	3082	7534N	14432W	27.6	172.7	0000			87	6
2938-21144	00000/0000	2-20050/0473	08/17/77	70	3082	7425N	14756W	28.6	168.9	0000			87	7
2938-21151	00000/0000	2-20050/0474	08/17/77	80	3082	7312N	15054W	29.6	165.6	0000			87	8
2938-23294	00000/0000	2-20050/0608	08/17/77	0	3083	3303N	13834E	23.5	54.5	0000			104	83
2938-23300	00000/0000	2-20050/0609	08/17/77	10	3083	3429N	13809E	22.5	54.2	0000			104	84
2939-00491	00000/0000	2-20050/0610	08/18/77	10	3084	4846N	13447E	44.8	130.2	0000			122	26
2939-00493	00000/0000	2-20050/0611	08/18/77	10	3084	4722N	13411E	45.4	128.5	0000			122	27
2939-00500	00000/0000	2-20050/0612	08/18/77	10	3084	4557N	13326E	46.0	126.8	0000			122	28
2939-00502	00000/0000	2-20050/0613	08/18/77	10	3084	4433N	13303E	46.6	125.1	0000			122	29
2939-00505	00000/0000	2-20050/0614	08/18/77	10	3084	4307N	13231E	47.1	123.3	0000			122	30
2939-00555	00000/0000	2-20050/0615	08/18/77	60	3084	2600N	12713E	50.6	101.1	0000			122	42
2939-01111	00000/0000	2-20050/0616	08/18/77	40	3084	2720N	11422E	27.7	55.8	0000			122	79
2939-01114	00000/0000	2-20050/0617	08/18/77	60	3084	2848N	11359E	26.7	55.4	0000			122	80
2939-02313	00000/0000	2-20050/0441	08/18/77	70	3085	5135N	11014E	43.4	133.5	0000			140	24
2939-04140	00000/0000	2-20050/0442	08/18/77	80	3086	5422N	08552E	41.9	136.8	0000			158	22
2939-04143	00000/0000	2-20050/0443	08/18/77	90	3086	5258N	08508E	42.7	135.2	0000			158	23
2939-04145	00000/0000	2-20050/0444	08/18/77	90	3086	5134N	08426E	43.4	133.5	0000			158	24

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LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0091

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2939-04152	00000/0000	2-20050/0445	08/18/77	50	3086	5010N 08344E	44.1	131.9	GGGG			158	25
2939-04154	00000/0000	2-20050/0446	08/18/77	20	3086	4846N 08307E	44.8	130.2	GGGG			158	26
2939-04161	00000/0000	2-20050/0447	08/18/77	30	3086	4721N 08231E	45.4	128.5	GGFF			158	27
2939-04163	00000/0000	2-20050/0448	08/18/77	10	3086	4557N 08156E	46.0	126.8	GGGG			158	28
2939-04170	00000/0000	2-20050/0449	08/18/77	0	3086	4431N 08123E	46.6	125.1	GGGG			158	29
2939-04172	00000/0000	2-20050/0450	08/18/77	0	3086	4306N 08051E	47.1	123.4	FGGG			158	30
2939-04175	00000/0000	2-20050/0489	08/18/77	10	3086	4141N 08020E	47.6	121.6	PFF			158	31
2939-04181	00000/0000	2-20050/0490	08/18/77	0	3086	4016N 07950E	48.1	119.8	FFFF			158	32
2939-04184	00000/0000	2-20050/0491	08/18/77	0	3086	3851N 07921E	48.5	118.0	FFFF			158	33
2939-04190	00000/0000	2-20050/0492	08/18/77	10	3086	3726N 07853E	48.9	116.2	GGGG			158	34
2939-04193	00000/0000	2-20050/0493	08/18/77	10	3086	3601N 07826E	49.3	114.4	GGGG			158	35
2939-04195	00000/0000	2-20050/0494	08/18/77	10	3086	3434N 07800E	49.6	112.5	GGGG			158	36
2939-04202	00000/0000	2-20050/0495	08/18/77	30	3086	3308N 07734E	49.9	110.6	GGGG			158	37
2939-04204	00000/0000	2-20050/0496	08/18/77	20	3086	3142N 07709E	50.1	108.8	GGGG			158	38
2939-04211	00000/0000	2-20050/0497	08/18/77	10	3086	3016N 07644E	50.3	106.9	FFFF			158	39
2939-04213	00000/0000	2-20050/0498	08/18/77	10	3086	2850N 07620E	50.4	105.0	GGGG			158	40
2939-05560	00000/0000	2-20050/0580	08/18/77	90	3087	5835N 06235E	39.5	141.9	GGGG			176	19
2939-05563	00000/0000	2-20050/0581	08/18/77	90	3087	5713N 06141E	40.3	140.2	GGGG			176	20
2939-05565	00000/0000	2-20050/0582	08/18/77	70	3087	5549N 06051E	41.1	138.6	GGGG			176	21
2939-05572	00000/0000	2-20050/0583	08/18/77	80	3087	5425N 06004E	41.9	136.9	GGGG			176	22
2939-05574	00000/0000	2-20050/0584	08/18/77	100	3087	5301N 05519E	42.6	135.3	GGGG			176	23
2939-05581	00000/0000	2-20050/0585	08/18/77	100	3087	5137N 05837E	43.4	133.6	FGGG			176	24
2939-05583	00000/0000	2-20050/0586	08/18/77	90	3087	5013N 05757E	44.1	132.0	GGGG			176	25
2939-05590	00000/0000	2-20050/0587	08/18/77	80	3087	4848N 05719E	44.7	130.3	GGGG			176	26
2939-05592	00000/0000	2-20050/0499	08/18/77	50	3087	4723N 05642E	45.4	128.6	GGGG			176	27
2939-05595	00000/0000	2-20050/0500	08/18/77	70	3087	4558N 05608E	46.0	126.9	GGGG			176	28
2939-06001	00000/0000	2-20050/0501	08/18/77	60	3087	4434N 05535E	46.5	125.2	GGGG			176	29
2939-06004	00000/0000	2-20050/0502	08/18/77	20	3087	4308N 05503E	47.1	123.4	GGGG			176	30
2939-11050	00000/0000	2-20050/0588	08/18/77	100	3090	6118N 01254W	37.8	145.3	GGGG		H	230	17
2939-11052	00000/0000	2-20050/0589	08/18/77	90	3090	5956N 01356W	38.7	143.6	GGGG		H	230	18
2939-11055	00000/0000	2-20050/0590	08/18/77	70	3090	5833N 01453W	39.5	141.9	GGGG		H	230	19
2939-14460	00000/0000	2-20050/0591	08/18/77	90	3092	1135N 08253W	48.7	83.4	FGGG			15	52
2939-14463	00000/0000	2-20050/0532	08/18/77	70	3092	1009N 08313W	48.3	81.8	GGGG			15	53
2939-14465	00000/0000	2-20050/0593	08/18/77	40	3092	0843N 08333W	47.8	80.2	GGGG			15	54
2939-16181	00000/0000	2-20050/0503	08/18/77	10	3093	5012N 09657W	44.0	132.0	FFFF			33	25
2939-16251	00000/0000	2-20050/0504	08/18/77	10	3093	2559N 10507W	50.5	101.5	FFFF			33	42

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2939-16254	00000/0000	2-20050/0505	08/18/77	10	3093	2433N 10530W	50.5	99.6	FFFF			33	43
2939-16260	00000/0000	2-20050/0506	08/18/77	30	3093	2308N 10552W	50.5	97.7	FFFF			33	44
2939-17592	00000/0000	2-20050/0526	08/18/77	30	3094	5711N 11904W	40.2	140.3	FG G			51	20
2939-18001	00000/0000	2-20050/0527	08/18/77	~0	3094	5424N 12040W	41.8	137.0	GGGG			51	22
2939-18003	00000/0000	2-20050/0528	08/18/77	10	3094	5301N 12124W	42.5	135.3	GGGG			51	23
2939-18010	00000/0000	2-20050/0529	08/18/77	0	3094	5136N 12206W	43.2	133.7	GGGG			51	24
2939-18012	00000/0000	2-20050/0530	08/18/77	10	3094	5011N 12246W	43.9	132.1	GGGG			51	25
2939-18035	00000/0000	2-20050/0531	08/18/77	30	3094	4142N 12611W	47.5	121.8	GGGG			51	31
2939-23352	00000/0000	2-20050/0594	08/18/77	0	3097	3305S 13708E	23.8	54.7	GGGG			105	83
2939-23354	00000/0000	2-20050/0595	08/18/77	10	3097	3430S 13643E	22.7	54.4	GGGG			105	84
2940-00554	00000/0000	2-20050/0596	08/19/77	10	3098	4557N 13207E	45.8	127.1	GGGG			123	28
2940-00560	00000/0000	2-20050/0597	08/19/77	10	3098	4431N 13134E	46.4	125.4	GGGG			123	29
2940-00563	00000/0000	2-20050/0598	08/19/77	10	3098	4306N 13102E	46.9	123.7	GGGG			123	30
2940-02372	00000/0000	2-20050/0640	08/19/77	10	3099	5134N 10848E	43.2	133.8	GGG			141	24
2940-04185	00000/0000	2-20050/0641	08/19/77	50	3100	5712N 08602E	40.1	140.4	GGGG			159	20
2940-04192	00000/0000	2-20050/0642	08/19/77	30	3100	5549N 08512E	40.9	138.8	GGGG			159	21
2940-04194	00000/0000	2-20050/0643	08/19/77	50	3100	5425N 08425E	41.6	137.1	GGGG			159	22
2940-04201	00000/0000	2-20050/0644	08/19/77	80	3100	5301N 08341E	42.4	135.5	GGGG			159	23
2940-04203	00000/0000	2-20050/0645	08/19/77	90	3100	5137N 08259E	43.1	133.8	GGGG			159	24
2940-04210	00000/0000	2-20050/0646	08/19/77	70	3100	5013N 08219E	43.8	132.2	GGGG			159	25
2940-04212	00000/0000	2-20050/0647	08/19/77	70	3100	4848N 08141E	44.5	130.5	GGGG			159	26
2940-04233	00000/0000	2-20050/0326	08/19/77	20	3100	41.1 07354E	47.4	122.0	GGGG			159	31
2940-04235	00000/0000	2-20050/0327	08/19/77	10	3100	4015 07233E	47.9	120.3	GGGG			159	32
2940-04242	00000/0000	2-20050/0328	08/19/77	10	3100	3854N 07754E	48.3	118.5	FGFP			159	33
2940-04244	00000/0000	2-20050/0329	08/19/77	30	3100	3729N 07727E	48.7	116.7	GGFF			159	34
2940-04251	00000/0000	2-20050/0330	08/19/77	70	3100	3602N 07700E	49.1	114.8	GGPP			159	35
2940-04253	00000/0000	2-20050/0331	08/19/77	50	3100	3435N 07633E	49.4	113.0	GGGG			159	36
2940-04260	00000/0000	2-20050/0332	08/19/77	30	3100	3310N 07608E	49.7	111.1	GGGG			159	37
2940-04262	00000/0000	2-20050/0333	08/19/77	20	3100	3144N 07543E	49.9	109.3	FGGG			159	38
2940-04265	00000/0000	2-20050/0538	08/19/77	20	3100	3019N 07518E	50.1	107.4	PPFF			159	39
2940-04271	00000/0000	2-20050/0539	08/19/77	10	3100	2852N 07454E	50.3	105.5	FGGF			159	40
2940-04274	00000/0000	2-20050/0540	08/19/77	20	3100	2726N 07431E	50.4	103.6	FGGF			159	41
2940-04285	00000/0000	2-20050/0541	08/19/77	90	3100	2308N 07323E	50.5	98.0	GGGG			159	44
2940-04292	00000/0000	2-20050/0542	08/19/77	90	3100	2142N 07301E	50.4	96.1	GGGG			159	45
2940-04294	00000/0000	2-20050/0543	08/19/77	70	3100	2016N 07239E	50.3	94.2	GGGF			159	46
2940-04301	00000/0000	2-20050/0544	08/19/77	20	3100	1849N 07218E	50.1	92.4	GGGF			159	47

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	ROLL NO./ MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS 123	MSS 45678	MSS MODE	MSS DATA IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2940-06014	00000/0000	2-20050/0334	08/19/77	90	3101	5834N	06104E	39.2	142.1	GGFF					177	19
2940-06021	00000/0000	2-20050/0335	08/19/77	100	3101	5711N	06011E	40.1	140.4	FGGG					177	20
2940-06023	00000/0000	2-20050/0336	08/19/77	100	3101	5547N	05921E	40.9	138.8	FPFG					177	21
2940-06030	00000/0000	2-20050/0337	08/19/77	100	3101	5424N	05834E	41.6	137.1	GPFG					177	22
2940-06032	00000/0000	2-20050/0338	08/19/77	90	3101	5300N	05750E	42.4	135.5	FFPF					177	23
2940-06035	00000/0000	2-20050/0339	08/19/77	90	3101	5136N	05708E	43.1	133.9	GFGG					177	24
2940-06041	00000/0000	2-20050/0340	08/19/77	30	3101	5011N	05628E	43.8	132.2	GGGG					177	25
2940-06044	00000/0000	2-20050/0341	08/19/77	10	3101	4847N	05550E	44.5	130.6	GGGG					177	26
2940-06050	00000/0000	2-20050/0545	08/19/77	10	3101	4722N	05514E	45.1	128.9	GGGF					177	27
2940-06053	00000/0000	2-20050/0546	08/19/77	10	3101	4557N	05440E	45.7	127.2	GGGF					177	28
2940-06055	00000/0000	2-20050/0547	08/19/77	40	3101	4433N	05407E	46.3	125.5	GGGF					177	29
2940-06062	00000/0000	2-20050/0548	08/19/77	30	3101	4308N	05334E	46.9	123.8	GGGF					177	30
2940-06064	00000/0000	2-20050/0549	08/19/77	20	3101	4142N	05303E	47.4	122.0	GGGF					177	31
2940-06073	00000/0000	2-20050/0342	08/19/77	100	3101	3851N	05205E	48.3	118.5	GF G					177	33
2940-06080	00000/0000	2-20050/0343	08/19/77	100	3101	3726N	05137E	48.7	116.7	GGFG					177	34
2940-16235	00000/0000	2-20050/0575	08/19/77	50	3107	5012N	09822W	43.7	132.3	FFFF					34	25
2940-16303	00000/0000	2-20050/0576	08/19/77	60	3107	2725N	10610W	50.4	103.8	FFFF					34	41
2940-16305	00000/0000	2-20050/0577	08/19/77	10	3107	2559N	10633W	50.4	101.9	FFFF					34	42
2940-16312	00000/0000	2-20050/0578	08/19/77	20	3107	2433N	10655W	50.5	100.1	FFFF					34	43
2940-16314	00000/0000	2-20050/0579	08/19/77	20	3107	2306N	10717W	50.4	98.2	FFFF					34	44
2940-21233	00000/0000	2-20050/0532	08/19/77	80	3110	8013N	11958W	21.8	201.7	GGGG					90	1
2940-21240	00000/0000	2-20050/0533	08/19/77	90	3110	7930N	12715W	22.8	194.1	FGGG					90	2
2940-21242	00000/0000	2-20050/0534	08/19/77	90	3110	7840N	13334W	23.9	187.6	GGGG					89	3
2940-21245	00000/0000	2-20050/0535	08/19/77	100	3110	7742N	13858W	24.9	182.0	GGGG					89	4
2940-21251	00000/0000	2-20050/0536	08/19/77	90	3110	7640N	14335W	25.9	177.0	GGGG					89	5
2940-21254	00000/0000	2-20050/0537	08/19/77	80	3110	7533N	14732W	27.0	172.7	GGGG					89	6
2941-04273	00000/0000	2-20050/0622	08/20/77	10	3114	3603N	10124E	48.9	115.2	GGGG					142	35
2941-04252	00000/0000	2-20050/0623	08/20/77	60	3114	5424N	08259E	41.4	137.3	GGGG					160	22
2941-04255	00000/0000	2-20050/0624	08/20/77	10	3114	5300N	08215E	42.1	135.7	GGGG					160	23
2941-04261	00000/0000	2-20050/0625	08/20/77	50	3114	5136N	08133E	42.8	134.1	GGGG					160	24
2941-04264	00000/0000	2-20050/0626	08/20/77	90	3114	5012N	08054E	43.6	132.5	GGGG					160	25
2941-04270	00000/0000	2-20050/0627	08/20/77	90	3114	4847N	08016E	44.2	130.8	GGGG					160	26
2941-04273	00000/0000	2-20050/0628	08/20/77	70	3114	4723N	07940E	44.9	129.2	GGGG					160	27
2941-04275	00000/0000	2-20050/0629	08/20/77	50	3114	4558N	07904E	45.5	127.5	GGGG					160	28
2941-04282	00000/0000	2-20050/0630	08/20/77	80	3114	4433N	07831E	46.1	125.8	GGGG					160	29
2941-04284	00000/0000	2-20050/0631	08/20/77	40	3114	4308N	07759E	46.6	124.1	GGGG					160	30

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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV. AZIM.	SUN ELEV. AZIM.	IMAGE=QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2941-04291	00000/0000	2-20050/0632	08/20/77	30	3114	4142N 07728E	47.2 122.4		GGGG			160	31
2941-04293	00000/0000	2-20050/0633	08/20/77	10	3114	4017N 07658E	47.7 120.6		GGGG			160	32
2941-04300	00000/0000	2-20050/0634	08/20/77	0	3114	3852N 07629E	48.1 118.9		GGGG			160	33
2941-04302	00000/0000	2-20050/0635	08/20/77	10	3114	3727N 07601E	48.5 117.1		GGGG			160	34
2941-04305	00000/0000	2-20050/0636	08/20/77	10	3114	3602N 07531E	48.9 115.2		GGGG			160	35
2941-04311	00000/0000	2-20050/0637	08/20/77	20	3114	3436N 07508E	49.2 113.4		GGGG			160	36
2941-04314	00000/0000	2-20050/0638	08/20/77	10	3114	3309N 07442E	49.5 111.6		GGGG			160	37
2941-04320	00000/0000	2-20050/0639	08/20/77	10	3114	3143N 07417E	49.8 109.7		GGGG			160	38
2941-06081	00000/0000	2-20050/0648	08/20/77	60	3115	6547N 05756E	40.6 139.0		GGGG			178	21
2941-06084	00000/0000	2-20050/0649	08/20/77	60	3115	5423N 05709E	41.4 137.3		GGGG			178	22
2941-06090	00000/0000	2-20050/0783	08/20/77	60	3115	5259N 05625E	42.1 135.7		GGGF			178	23
2941-06093	00000/0000	2-20050/0784	08/20/77	40	3115	5135N 05543E	42.8 134.1		GGGG			178	24
2941-06095	00000/0000	2-20050/0785	08/20/77	20	3115	5011N 05503E	43.5 132.5		GGGF			178	25
2941-06102	00000/0000	2-20050/0786	08/20/77	30	3115	4846N 05426E	44.2 130.8		GGGG			178	26
2941-06134	00000/0000	2-20050/0787	08/20/77	50	3115	3725N 05011E	48.5 117.1		GGGG			178	34
2941-16361	00000/0000	2-20050/0618	08/20/77	20	3121	2727N 10735W	50.2 104.4		FFFF			35	41
2941-16363	00000/0000	2-20050/0619	08/20/77	30	3121	2600N 10759W	50.3 102.5		FFFF			35	42
2941-16370	00000/0000	2-20050/0620	08/20/77	20	3121	2435N 10821W	50.4 100.6		FFFF			35	43
2941-16372	00000/0000	2-20050/0621	08/20/77	50	3121	2308N 10843W	50.4 98.7		FFFF			35	44
2941-20135	00000/0000	2-20050/0551	08/20/77	50	3123	1130S 16830W	38.6 63.8		GGGG	H		71	68
2941-20142	00000/0000	2-20050/0552	08/20/77	50	3123	1256S 16850W	37.8 63.0		GGGG	H		71	69
2941-20144	00000/0000	2-20050/0553	08/20/77	40	3123	1423S 16911W	36.9 62.1		GGGG	H		71	70
2941-20151	00000/0000	2-20050/0554	08/20/77	50	3123	1549S 16931W	36.0 61.3		GGGG	H		71	71
2941-20153	00000/0000	2-20050/0555	08/20/77	60	3123	1716S 16952W	35.1 60.6		GGGG	H		71	72
2941-23461	00000/0000	2-20050/0556	08/20/77	0	3125	3139S 13443E	25.4 55.4		GGFG			107	82
2941-23464	00000/0000	2-20050/0557	08/20/77	10	3125	3304S 13418E	24.3 55.1		GGFG			107	83
2942-01061	00000/0000	2-20050/0558	08/21/77	60	3126	4849N 13027E	44.0 131.1		GGFF			125	26
2942-01064	00000/0000	2-20050/0559	08/21/77	20	3126	4724N 12952E	44.7 129.4		GGGG			125	27
2942-01070	00000/0000	2-20050/0560	08/21/77	10	3126	4600N 12917E	45.3 127.8		GGGF			125	28
2942-01073	00000/0000	2-20050/0561	08/21/77	10	3126	4434N 12844E	45.9 126.1		GGGF			125	29
2942-01084	00000/0000	2-20050/0562	08/21/77	10	3126	4018N 12711E	47.5 121.0		GGFG			125	32
2942-01091	00000/0000	2-20050/0563	08/21/77	10	3126	3852N 12643E	47.9 119.2		GGGG			125	33
2942-04301	00000/0000	2-20050/0564	08/21/77	100	3128	5711N 08310E	39.5 140.8		FGGG			161	20
2942-04304	00000/0000	2-20050/0565	08/21/77	90	3128	5541N 08221E	40.3 139.2		GGG			161	21
2942-04310	00000/0000	2-20050/0566	08/21/77	90	3128	5424N 08134E	41.1 137.6		FGGG			161	22
2942-04313	00000/0000	2-20050/0567	08/21/77	90	3128	5259N 08049E	41.8 135.9		FG G			161	23

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OBSERVATION ID LISTING
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OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE=QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2942-04315	00000/0000	2-20050/0568	08/21/77	60	3128	5136N 08007E	42.6	134.3	GG			16	24
2942-04322	00000/0000	2-20050/0550	08/21/77	50	3128	5011N 07927E	43.3	132.7	G G			16	25
2942-04331	00000/0000	2-20050/0569	08/21/77	20	3128	4722N 07813E	44.6	129.5	FGGG			161	27
2942-04333	00000/0000	2-20050/0570	08/21/77	10	3128	4557N 07739E	45.3	127.8	PGGG			161	28
2942-04340	00000/0000	2-20050/0571	08/21/77	10	3128	4432N 07706E	45.9	126.1	FGGG			161	29
2942-04342	00000/0000	2-20050/0572	08/21/77	10	3128	4307N 07633E	46.4	124.4	GGGG			161	30
2942-04363	00000/0000	2-20050/0573	08/21/77	50	3128	3600N 07408E	48.7	115.7	FGGG			161	35
2942-04365	00000/0000	2-20050/0574	08/21/77	20	3128	3434N 07342E	49.1	113.8	FGGG			161	36
2942-06130	00000/0000	2-20050/0675	08/21/77	80	3129	5833N 05814E	38.7	142.4	FGGG			179	19
2942-06133	00000/0000	2-20050/0676	08/21/77	40	3129	5710N 05720E	39.5	140.8	GGG			179	20
2942-06142	00000/0000	2-20050/0677	08/21/77	100	3129	5423N 05543E	41.1	137.6	GGGG			179	22
2942-06144	00000/0000	2-20050/0678	08/21/77	100	3129	5259N 05459E	41.8	136.0	PGGG			179	23
2942-06151	00000/0000	2-20050/0679	08/21/77	100	3129	5135N 05416E	42.6	134.3	GGGG			179	24
2942-06153	00000/0000	2-20050/0658	08/21/77	100	3129	5010N 05336E	43.3	132.7	GGGG			179	25
2942-06160	00000/0000	2-20050/0659	08/21/77	80	3129	4846N 05258E	44.0	131.1	GGGG			179	26
2942-06185	00000/0000	2-20050/0660	08/21/77	10	3129	3850N 04914E	47.9	119.2	GGGG			179	33
2942-16351	00000/0000	2-20050/0382	08/21/77	60	3135	5013N 10115W	43.1	132.9	GFFG			36	25
2942-16415	00000/0000	2-20050/0383	08/21/77	20	3135	2725N 10902W	50.1	104.8	GGFG			36	41
2942-16421	00000/0000	2-20050/0381	08/21/77	30	3135	2559N 10925W	50.2	103.0	G GG			36	42
2942-16424	00000/0000	2-20050/0384	08/21/77	20	3135	2433N 10948W	50.3	101.1	FGGG			36	43
2942-16430	00000/0000	2-20050/0388	08/21/77	30	3135	2307N 11010W	50.3	99.2	FGGG			36	44
2942-20193	00000/0000	2-20050/0661	08/21/77	50	3137	1133S 16957W	38.8	64.2	GGGG		H	72	68
2942-20200	00000/0000	2-20050/0662	08/21/77	30	3137	1300S 17017W	37.9	63.3	GGGG		H	72	69
2942-20202	00000/0000	2-20050/0663	08/21/77	40	3137	1426S 17037W	37.1	62.5	GGGG		H	72	70
2942-20205	00000/0000	2-20050/0664	08/21/77	30	3137	1552S 17058W	36.2	61.7	GGGG		H	72	71
2942-20211	00000/0000	2-20050/0665	08/21/77	30	3137	1719S 17119W	35.3	60.9	GGGG		H	72	72
2943-01113	00000/0000	2-20050/0666	08/22/77	90	3140	5011N 12937E	43.1	133.0	GGGG			126	25
2943-01115	00000/0000	2-20050/0667	08/22/77	70	3140	4848N 12859E	43.7	131.4	GGGG			126	26
2943-01122	00000/0000	2-20050/0668	08/22/77	30	3140	4724N 12823E	44.4	129.7	GGGG			126	27
2943-01124	00000/0000	2-20050/0669	08/22/77	20	3140	4559N 12749E	45.0	128.1	GGGG			126	28
2943-01131	00000/0000	2-20050/0670	08/22/77	10	3140	4433N 12715E	45.6	126.4	GGGG			126	29
2943-01133	00000/0000	2-20050/0671	08/22/77	30	3140	4307N 12643E	46.2	124.7	GGGG			126	30
2943-01140	00000/0000	2-20050/0672	08/22/77	30	3140	4142N 12613E	46.8	123.0	GGGG			126	31
2943-01142	00000/0000	2-20050/0673	08/22/77	20	3140	4016N 12544E	47.3	121.3	GGGG			126	32
2943-01145	00000/0000	2-20050/0674	08/22/77	10	3140	3850N 12515E	47.7	119.6	PGGG			126	33
2943-02535	00000/0000	2-20050/0680	08/22/77	60	3141	5302N 10514E	41.6	136.2	GGGG			144	23

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OBSERVATION ID	MICROFILM ROLL NO./ POSITION IN ROLL RBV	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV	MSS MSS DATA	MSS MSS IMAGE	ORBIT PATH NUMBER	FRAME ROW NUMBER
									123 45678	MODE	GAIN		
2943-04364	00000/0000	2-20050/0681	08/22/77	90	3142	3425N	08008E	40.8	137.8	GGGG		162	22
2943-04371	00000/0000	2-20050/0682	08/22/77	80	3142	5302N	07924E	41.5	136.2	GGGG		162	23
2943-04373	00000/0000	2-20050/0683	08/22/77	20	3142	5138N	07842E	42.3	134.6	GGGG		162	24
2943-04380	00000/0000	2-20050/0684	08/22/77	0	3142	5013N	07801E	43.0	133.0	GFGB		162	25
2943-04382	00000/0000	2-20050/0685	08/22/77	10	3142	4849N	07723E	43.7	131.4	GGGG		162	26
2943-04385	00000/0000	2-20050/0684	08/22/77	10	3142	4724N	07647E	44.4	129.8	GGGG		162	27
2943-04391	00000/0000	2-20050/0687	08/22/77	0	3142	4558N	07612E	45.0	128.2	GGGG		162	28
2943-04394	00000/0000	2-20050/0688	08/22/77	0	3142	4434N	07538E	45.6	126.5	GGGG		162	29
2943-04400	00000/0000	2-20050/0689	08/22/77	0	3142	4309N	07506E	46.2	124.8	GFGB		162	30
2943-04450	00000/0000	2-20050/0690	08/22/77	50	3142	2600N	06949E	50.2	103.2	GGGG		162	42
2943-04453	00000/0000	2-20050/0691	08/22/77	60	3142	2434N	06927E	50.2	101.4	GGGG		162	43
2943-06193	00000/0000	2-20050/0384	08/22/77	30	3143	5548N	05503E	40.0	139.4	FGGF		180	21
2943-06200	00000/0000	2-20050/0387	08/22/77	30	3143	5425N	05416E	40.8	137.8	GGGG		180	22
2943-06202	00000/0000	2-20050/0388	08/22/77	30	3143	5301N	05332E	41.5	136.3	GGFG		180	23
2943-06205	00000/0000	2-20050/0389	08/22/77	20	3143	5137N	05251E	42.3	134.7	GGGF		180	24
2943-06211	00000/0000	2-20050/0390	08/22/77	20	3143	5012N	05211E	43.0	133.1	FGFF		180	25
2943-06214	00000/0000	2-20050/0391	08/22/77	10	3143	4848N	05133E	43.7	131.4	GGGF		180	26
2943-06243	00000/0000	2-20050/0392	08/22/77	0	3143	3852N	04747E	47.7	119.7	GGGF		180	33
2943-06250	00000/0000	2-20050/0393	08/22/77	0	3143	3727N	04720E	48.1	117.9	GGGG		180	34
2943-20251	00000/0000	2-20050/0394	08/22/77	40	3151	1130S	17122W	39.0	64.6	GGGF	H	73	68
2943-20254	00000/0000	2-20050/0395	08/22/77	40	3151	1256S	17142W	38.2	63.7	GGFF	H	73	69
2943-20260	00000/0000	2-20050/0394	08/22/77	30	3151	1423S	17203W	37.3	62.8	FGFF	H	73	70
2943-20263	00000/0000	2-20050/0397	08/22/77	10	3151	1550S	17224W	36.4	62.0	FGGP	H	73	71
2943-20265	00000/0000	2-20050/0398	08/22/77	20	3151	1716S	17244W	35.5	61.2	FGGF	H	73	72
2943-23574	00000/0000	2-20050/0399	08/22/77	0	3153	3141S	13149E	25.9	55.9	GGGF		109	82
2944-01182	00000/0000	2-20050/0400	08/23/77	20	3154	4601N	12625E	44.8	128.5	GGFG		127	28
2944-01185	00000/0000	2-20050/0401	08/23/77	40	3154	4436N	12552E	45.4	126.8	FGGF		127	29
2944-01191	00000/0000	2-20050/0402	08/23/77	20	3154	4310N	12520E	46.0	125.2	GGFF		127	30
2944-01194	00000/0000	2-20050/0403	08/23/77	10	3154	4145N	12449E	46.5	123.5	GGFF		127	31
2944-01200	00000/0000	2-20050/0404	08/23/77	10	3154	4020N	12418E	47.0	121.8	GGFF		127	32
2944-01223	00000/0000	2-20050/0405	08/23/77	90	3154	3146N	12139E	49.3	111.1	GGFF		127	38
2944-01230	00000/0000	2-20050/0406	08/23/77	100	3154	3020N	12114E	49.6	109.2	FGPP		127	39
2944-02593	00000/0000	2-20050/0708	08/23/77	10	3155	5302N	10346E	41.3	136.5	PGGG		145	23
2944-04413	00000/0000	2-20050/0706	08/23/77	40	3156	5713N	08020E	38.9	141.2	G GG		163	20
2944-04420	00000/0000	2-20050/0709	08/23/77	70	3156	5550N	07929E	39.7	139.7	FGGG		163	21
2944-04422	00000/0000	2-20050/0710	08/23/77	80	3156	5426N	07842E	40.5	138.1	FGGG		163	22

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

07:04 SEP 15, '77

LANDSAT-2
OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0097

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS 123 45678	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2944-04425	00000/0000	2-20050/0711	08/23/77	80	3156	5301N	07757E	41.3	136.5	GGGG		163	23
2944-04431	00000/0000	2-20050/0712	08/23/77	60	3156	5137N	07716E	42.0	134.9	GGGG		163	24
2944-20310	00000/0000	2-20050/0713	08/23/77	60	3165	1132S	17248W	39.2	64.9	GGGG	H	74	68
2944-20312	00000/0000	2-20050/0714	08/23/77	40	3165	1258S	17308W	38.4	64.0	GFGG	H	74	69
2944-20315	00000/0000	2-20050/0715	08/23/77	40	3165	1425S	17329W	37.5	63.2	GGGG	H	74	70
2944-20321	00000/0000	2-20050/0716	08/23/77	50	3165	1552S	17350W	36.6	62.1	GGGG	H	74	71
2944-20324	00000/0000	2-20050/0717	08/23/77	40	3165	1718S	17411W	35.7	61.5	GGGG	H	74	72
2944-21494	00000/0000	2-20050/0707	08/23/77	80	3166	7157N	16209W	23.6	163.1	GGGF		93	9
2945-01222	00000/0000	2-20050/0719	08/24/77	20	3168	5138N	12729E	41.8	135.1	GGGG		128	24
2945-01225	00000/0000	2-20050/0720	08/24/77	20	3168	5014N	12649E	42.5	133.6	FGGG		128	25
2945-01231	00000/0000	2-20050/0721	08/24/77	0	3168	4849N	12611E	43.2	132.0	PGGG		128	26
2945-01234	00000/0000	2-20050/0722	08/24/77	0	3168	4725N	12535E	43.9	130.4	GGGG		128	27
2945-01240	00000/0000	2-20050/0723	08/24/77	0	3168	4600N	12500E	44.5	128.8	GGGG		128	28
2945-01243	00000/0000	2-20050/0724	08/24/77	10	3168	4435N	12427E	45.1	127.1	GGGG		128	29
2945-01245	00000/0000	2-20050/0725	08/24/77	10	3168	4310N	12354E	45.7	125.5	GGGG		128	30
2945-01252	00000/0000	2-20050/0726	08/24/77	40	3168	4144N	12324E	46.3	123.8	FGGF		128	31
2945-01254	00000/0000	2-20050/0727	08/24/77	20	3168	4018N	12254E	46.8	122.1	GGGG		128	32
2945-01261	00000/0000	2-20050/0728	08/24/77	40	3168	3852N	12225E	47.3	120.4	GGGG		128	33
2945-01263	00000/0000	2-20050/0729	08/24/77	30	3168	3727N	12157E	47.7	118.7	GQFF		128	34
2945-01270	00000/0000	2-20050/0730	08/24/77	10	3168	3601N	12130E	48.2	116.9	GGGG		128	35
2945-01272	00000/0000	2-20050/0731	08/24/77	20	3168	3435N	12104E	48.5	115.1	G GG		128	36
2945-01275	00000/0000	2-20050/0731	08/24/77	30	3168	3310N	12038E	48.9	113.3	GGGG		128	37
2945-01281	00000/0000	2-20050/0732	08/24/77	40	3168	3145N	12014E	49.2	111.5	GGGG		128	38
2945-01284	00000/0000	2-20050/0733	08/24/77	40	3168	3020N	11949E	49.4	109.7	GGGG		128	39
2945-03042	00000/0000	2-20050/0734	08/24/77	10	3169	5549N	10353E	39.4	139.9	GGGG		146	21
2945-03045	00000/0000	2-20050/0735	08/24/77	10	3169	5425N	10306E	40.2	138.3	GGGG		146	22
2945-03051	00000/0000	2-20050/0736	08/24/77	10	3169	5301N	10221E	41.0	136.7	GGGG		146	23
2945-16505	00000/0000	2-20050/0737	08/24/77	90	3177	5426N	10323W	40.0	138.4	GGGG		39	22
2945-16512	00000/0000	2-20050/0738	08/24/77	80	3177	5302N	10408W	40.8	136.9	GGGG		39	23
2945-16514	00000/0000	2-20050/0739	08/24/77	60	3177	5139N	10451W	41.6	135.3	GGGG		39	24
2945-16521	00000/0000	2-20050/0740	08/24/77	20	3177	5015N	10532W	42.3	133.8	FGGG		39	25
2945-16582	00000/0000	2-20050/0741	08/24/77	10	3177	2853N	11255W	49.6	108.2	PGGG		39	40
2945-16585	00000/0000	2-20050/0742	08/24/77	10	3177	2726N	11319W	49.8	106.3	FGGG		39	41
2945-16591	00000/0000	2-20050/0743	08/24/77	10	3177	2600N	11343W	49.9	104.5	FGGG		39	42
2946-01283	00000/0000	2-20050/0753	08/25/77	30	3182	5013N	12522E	42.2	133.8	GGGG		129	25
2946-01285	00000/0000	2-20050/0754	08/25/77	10	3182	4848N	12444E	42.9	132.3	GGGG		129	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0098

OBSERVATION ID	MICROFILM POSITION RBV	ROLL NO./ IN ROLL MSS	DATE ACQUIRED	CLOUD COVER	ORBIT NUMBER	PRINCIPAL POINT OF IMAGE LAT	POINT LONG	SUN ELEV.	SUN AZIM.	IMAGE-QUAL RBV MSS	MSS DATA MODE	MSS IMAGE GAIN	ORBIT PATH NUMBER	FRAME ROW NUMBER
2946-01292	00000/0000	2-20050/0758	08/25/77	10	3182	4724N	12407E	43.6	130.7	FGGG			129	27
2946-01294	00000/0000	2-20050/0756	08/25/77	0	3182	4559N	12332E	44.3	129.1	GGGG			129	28
2946-01301	00000/0000	2-20050/0757	08/25/77	0	3182	4434N	12259E	44.9	127.5	GGGG			129	29
2946-01303	00000/0000	2-20050/0758	08/25/77	10	3182	4309N	12227E	45.5	125.8	GGGG			129	30
2946-01310	00000/0000	2-20050/0759	08/25/77	10	3182	4143N	12156E	46.1	124.2	GGGG			129	31
2946-01312	00000/0000	2-20050/0760	08/25/77	20	3182	4017N	12126E	46.6	122.5	GFGG			129	32
2946-01315	00000/0000	2-20050/0761	08/25/77	10	3182	3851N	12058E	47.1	120.8	GGGG			129	33
2946-01321	00000/0000	2-20050/0762	08/25/77	10	3182	3726N	12031E	47.5	119.1	GGGG			129	34
2946-01324	00000/0000	2-20050/0763	08/25/77	30	3182	3601N	12004E	48.0	117.3	GGGG			129	35
2946-01330	00000/0000	2-20050/0764	08/25/77	40	3182	3435N	11937E	48.4	115.6	GGGG			129	36
2946-01333	00000/0000	2-20050/0765	08/25/77	20	3182	3309N	11911E	48.7	113.8	GGGG			129	37
2946-01335	00000/0000	2-20050/0766	08/25/77	10	3182	3143N	11846E	49.0	112.0	GGGG			129	38
2946-01342	00000/0000	2-20050/0767	08/25/77	30	3182	3017N	11821E	49.3	110.2	GGGG			129	39
2946-01362	00000/0000	2-20050/0768	08/25/77	50	3182	2306N	11625E	50.0	101.0	GGGG			129	44
2946-04525	00000/0000	2-20050/0769	08/25/77	100	3184	5714N	07729E	38.3	141.7	GGGG			165	20
2946-04532	00000/0000	2-20050/0770	08/25/77	100	3184	5551N	07639E	39.1	140.1	GGGG			165	21
2946-04534	00000/0000	2-20050/0771	08/25/77	90	3184	5427N	07552E	39.9	138.6	GGGG			165	22
2946-04541	00000/0000	2-20050/0772	08/25/77	50	3184	5303N	07507E	40.7	137.0	GGGG			165	23
2946-04543	00000/0000	2-20050/0773	08/25/77	90	3184	5139N	07425E	41.4	135.5	GGGG			165	24
2946-04550	00000/0000	2-20050/0774	08/25/77	90	3184	5014N	07345E	42.2	133.9	GGGG			165	25
2946-04552	00000/0000	2-20050/0775	08/25/77	40	3184	4849N	07307E	42.9	132.3	GGGG			165	26
2946-04555	00000/0000	2-20050/0776	08/25/77	0	3184	4725N	07230E	43.6	130.8	GGGG			165	27
2946-04561	00000/0000	2-20050/0777	08/25/77	0	3184	4600N	07185E	44.2	129.2	GGGG			165	28
2946-04564	00000/0000	2-20050/0778	08/25/77	0	3184	4435N	07121E	44.8	127.6	GGGG			165	29
2946-04570	00000/0000	2-20050/0779	08/25/77	0	3184	4310N	07049E	45.4	125.9	GGGG			165	30
2946-04573	00000/0000	2-20050/0780	08/25/77	0	3184	4145N	07018E	46.0	124.3	GGGG			165	31
2946-06355	00000/0000	2-20050/0781	08/25/77	90	3185	5837N	05233E	37.4	143.3	GGGG			183	19
2946-06361	00000/0000	2-20050/0782	08/25/77	70	3185	5714N	05139E	38.2	141.7	GGGG			183	20

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
 IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

IFIN

LANDSAT 2 COORDINATE LISTING

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COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

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PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBY MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBY MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
15142E	2718S	2930-22423	10	GGGG	96	79	13834E	3303S	2938-23294	0	GGGG	104	23
15113E	2844S	2930-22430	30	GGGG	96	80	13809E	3429S	2938-23300	10	GGGG	104	24
15059E	2428S	2931-22472	50	GGGG	97	77	13738E	1007N	2929-00033	60	GGGG	112	53
15054E	3010S	2930-22432	10	GGGG	96	81	13717E	0841N	2929-00040	50	GGGG	112	54
15036E	2554S	2931-22475	10	GGGG	97	78	13708E	3305S	2939-23352	0	GGGG	105	23
15014E	2719S	2931-22481	0	GGGG	97	79	13657E	0715N	2929-00042	40	GGGG	112	55
14950E	2845S	2931-22484	0	GGGG	97	80	13643E	3430S	2939-23354	10	GGGG	105	24
14926E	3011S	2931-22490	10	GGGG	97	81	13638E	0548N	2929-00045	40	GGGG	112	56
14911E	2555S	2932-22533	10	GGGG	98	78	13613E	0422N	2929-00051	60	GGGG	112	57
14848E	2721S	2932-22535	10	GGGG	98	79	13612E	1007N	2930-00092	40	GGGG	113	53
14829E	2303S	2933-22582	10	GGGG	99	76	1352E	0841N	2930-00094	30	GGGG	113	54
14824E	2846S	2932-22542	40	GGGG	98	80	13532E	0714N	2930-00101	50	GGGG	113	55
14811E	3428S	2931-22502	10	GGGG	97	84	13512E	0548N	2930-00103	60	GGGG	113	56
14807E	2429S	2933-22584	0	GGGG	99	77	13452E	0421N	2930-00110	50	GGGG	113	57
14800E	3012S	2932-22544	80	GGGG	98	81	13447E	4846N	2939-00491	10	GGGG	122	26
14745E	3553S	2931-22504	20	GGGG	97	85	13445E	1007N	2931-00150	30	GGGG	114	53
14736E	3138S	2932-22551	90	GGGG	98	82	13443E	3139S	2941-23461	0	GGGG	107	22
14710E	3303S	2932-22553	90	GGGG	98	83	13442E	4843N	2921-00501	50	GGGG	122	26
14703E	2303S	2934-23040	0	GGGG	100	76	13425E	0841N	2931-00152	50	GGGG	114	54
14645E	3429S	2932-22560	90	GGGG	98	84	13418E	3304S	2941-23464	10	GGGG	107	23
14619E	3554S	2932-22562	80	GGGG	98	85	13411E	4722N	2939-00493	10	GGGG	122	27
14552E	3720S	2932-22565	40	GGGG	98	86	13406E	4719N	2921-00503	90	GGGG	122	27
14545E	3204S	2933-23011	10	GGGG	99	83	13405E	0715N	2931-00155	90	GGGG	114	55
14520E	3428S	2933-23014	10	GGGG	99	84	13345E	0548N	2931-00161	90	GGGG	114	56
14454E	3553S	2933-23020	10	FFFF	99	85	13336E	4557N	2939-00500	10	GGGG	122	28
14427E	3720S	2933-23023	30	GGGG	99	86	13331E	4554N	2921-00510	90	GGGG	122	28
14351E	3431S	2934-23072	10	GGGG	100	84	13325E	0421N	2931-00164	90	GGGG	114	57
14325E	3556S	2934-23074	20	GGGG	100	85	13322E	1006N	2932-00204	50	GGGG	115	53
14259E	3721S	2934-23081	60	GGGG	100	86	13303E	4433N	2939-00502	10	GGGG	122	29
14225E	3430S	2935-23130	0	GGGG	101	84	13300E	0840N	2932-00210	40	GGGG	115	54
14159E	3555S	2935-23133	30	GGGG	101	85	13258E	4429N	2921-00512	80	GGGG	122	29
14133E	3721S	2935-23135	60	GGGG	101	86	13240E	0714N	2932-00213	70	GGGG	115	55
14106E	4305N	2933-00164	80	GGGG	116	30	13231E	4307N	2939-00505	10	GGGG	122	30
14100E	3432S	2936-23184	0	GGGG	102	84	13226E	4304N	2921-00515	80	GGGG	122	30
14033E	3557S	2936-23191	40	PPPP	102	85	13207E	4554N	2940-00554	10	GGGG	123	28
13933E	3430S	2937-23242	70	GGGG	103	84	13204E	4554N	2922-00564	30	GGGG	123	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT-2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0101

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC X	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC X	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
13200E	0420N	2932-00222	40	GGGG	115	57	12749E	4559N	2943-01124	20	GGGG	126	28
13155E	1008N	2933-00262	30	GGG	116	53	12748E	4553N	2925-01134	10	GGFG	126	28
13150E	4842N	2923-01013	90	GGGG	124	26	12738E	4138N	2924-01092	100	GGFG	125	31
13149E	3141S	2943-23574	0	GGGF	109	82	12735E	4845N	2926-01183	20	GGGG	127	24
13134E	4431N	2940-00560	10	GGGG	123	29	12729E	5138N	2945-01222	20	GGGG	128	24
13134E	0841N	2933-00264	20	GGGF	116	54	12728E	5132N	2927-01232	30	GGFF	128	24
13132E	4429N	2922-00570	70	GGGG	123	29	12715E	4433N	2943-01131	10	GGGG	126	29
13114E	4718N	2923-01020	60	GGGG	124	27	12715E	4428N	2925-01141	40	GGGG	124	29
13114E	0714N	2933-00271	10	GGGF	116	55	12713E	2600N	2939-00555	60	GGGG	122	42
13102E	4306N	2940-00563	10	GGGG	123	30	12711E	4018N	2942-01084	10	GGFG	125	32
13100E	4305N	2922-00573	90	GGFF	123	30	12709E	4013N	2924-01094	90	GGFG	125	32
13054E	0547N	2933-00273	30	GGFG	116	56	12658E	4721N	2926-01190	20	GGGG	127	27
13039E	4554N	2923-01022	40	GGGG	124	28	12649E	5014N	2945-01225	20	GGGG	128	25
13034E	0420N	2933-00280	40	GGGG	116	57	12647E	5008N	2927-01235	30	GGGG	128	25
13027E	4849N	2942-01061	60	GGFF	125	26	12644E	4303N	2925-01143	60	GGGG	126	30
13024E	4842N	2924-01071	10	GGFG	125	26	12643E	4307N	2943-01133	30	GGGG	126	30
13006E	4426N	2923-01025	40	GGGG	124	29	12643E	3852N	2942-01091	10	GGGG	125	33
12952E	4724N	2942-01064	20	GGGG	125	27	12640E	3848N	2924-01101	90	GG F	125	33
12947E	4718N	2924-01074	30	GG G	125	27	12625E	4601N	2944-01182	20	GGFG	127	28
12937E	5011N	2943-01113	90	GGGG	126	25	12623E	4556N	2926-01192	40	GGGG	127	28
12937E	5006N	2925-01123	10	GGG	126	25	12613E	4142N	2943-01140	30	GGGG	126	31
12935E	4303N	2923-01031	50	GGGG	124	30	12613E	4138N	2925-01150	90	GGGG	126	31
12917E	4606N	2942-01070	10	GGGF	125	28	12611E	4849N	2945-01231	0	GGGG	128	24
12912E	4553N	2924-01080	60	GG G	125	28	12609E	4845N	2927-01241	90	GGGG	128	26
12905E	4139N	2923-01034	40	GGGG	124	31	12552E	4436N	2944-01185	40	GGGF	127	29
12859E	4848N	2943-01115	70	GGGG	126	26	12550E	4431N	2926-01195	30	GGGG	127	29
12859E	4842N	2925-01125	10	GGGG	126	26	12544E	4016N	2943-01142	20	GGGG	126	32
12852E	5134N	2926-01174	10	GGFG	127	24	12544E	4013N	2925-01152	90	GGGG	126	32
12844E	4434N	2942-01073	10	GGGF	125	29	12535E	4725N	2945-01234	0	GGGG	128	27
12839E	4428N	2924-01083	90	GGFG	125	29	12522E	5013N	2946-01283	30	GGGG	129	25
12835E	4014N	2923-01040	60	GGGG	124	32	12521E	5009N	2928-01293	90	GGGG	129	25
12823E	4724N	2943-01122	30	GGGG	126	27	12520E	4310N	2944-01191	20	GGFF	127	30
12823E	4717N	2925-01132	10	GGFG	126	27	12518E	4306N	2926-01201	30	GGFG	127	30
12813E	5010N	2926-01181	10	GGGG	127	25	12515E	3850N	2943-01145	10	GGGG	126	33
12808E	4303N	2924-01085	100	GGFG	125	30	12515E	3848N	2925-01155	80	GGGG	126	33
12807E	3848N	2923-01043	70	GGFG	124	33	12500E	4600N	2945-01240	0	GGGG	128	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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COORDINATE LISTING
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PAGE 0102

PRINCIPAL PT. OF IMAGE	LAT	OBSERVATION ID	CC %	QUALITY RGB MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	LAT	OBSERVATION ID	CC %	QUALITY RGB MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
12458E	4555N	2927-01250	60	GGGG	128	28	12139E	3146N	2944-01223	90	GGFF	127	38
12449E	4145N	2944-01194	10	GGFF	127	31	12138E	3143N	2926-01233	30	GGGG	127	38
12447E	4141N	2926-01204	30	GGGG	127	31	12130E	4430N	2929-01365	10	GGGG	130	29
12444E	4848N	2946-01285	10	GGGG	129	26	12130E	3601N	2945-01270	10	GGGG	128	35
12443E	4844N	2928-01295	70	GGGG	129	26	12129E	3600N	2927-01280	90	GGGG	128	35
12427E	4435N	2945-01243	10	GGGG	128	29	12126E	4017N	2946-01312	20	FGGG	129	32
12424E	4430N	2927-01253	70	GGGG	128	29	12125E	4015N	2928-01322	60	GGGG	129	32
12418E	4020N	2944-01200	10	GGFF	127	32	12122E	3304S	2933-00385	10	GG G	116	83
12418E	4016N	2926-01210	30	FGGG	127	32	12114E	4721N	2930-01414	30	GGGG	131	27
12407E	4724N	2946-01292	10	FGGG	129	27	12114E	3020N	2944-01230	100	FGPP	127	39
12404E	4719N	2928-01302	30	GGGG	129	27	12113E	3017N	2926-01240	10	FGGG	127	39
12354E	5008N	2929-01351	60	GGGG	130	25	12104E	3435N	2945-01272	20	G GG	128	36
12354E	4310N	2945-01245	10	GGGG	128	30	12102E	5009N	2931-01463	30	GGGG	132	28
12352E	4306N	2927-01255	80	GGGG	128	30	12102E	3433N	2927-01282	70	GGPG	128	36
12332E	4559N	2946-01294	0	GGGG	129	28	12059E	4305N	2929-01372	10	GGGG	130	30
12331E	4554N	2928-01304	20	GGGG	129	28	12058E	3851N	2946-01315	10	GGGG	129	33
12324E	4144N	2945-01252	40	FGFF	128	31	12057E	3850N	2928-01325	90	GGGG	129	33
12321E	4141N	2927-01262	80	GGGG	128	31	12040E	4556N	2930-01421	10	GGGG	131	28
12316E	4843N	2929-01354	30	GGGG	130	26	12038E	3310N	2945-01275	30	GGGG	128	37
12259E	4434N	2946-01301	0	GGGG	129	29	12037E	3307N	2927-01285	40	GGGG	128	37
12254E	4018N	2945-01254	20	GGGG	128	32	12031E	3726N	2946-01321	10	GGGG	129	34
12252E	4015N	2927-01264	90	GGGG	128	32	12030E	3725N	2928-01331	100	GGGG	129	34
12247E	3302S	2932-00331	50	GGGG	115	83	12028E	4139N	2929-01374	10	GGGG	130	31
12239E	4719N	2929-01360	10	GGGG	130	27	12024E	4845N	2931-01470	40	GGGG	132	26
12227E	4309N	2946-01303	10	GGGG	129	30	12020E	3139S	2934-00440	10	GGGG	117	82
12226E	5010N	2930-01405	20	GGGG	131	25	12014E	3145N	2945-01281	40	GGGG	128	38
12224E	4305N	2928-01313	70	GGGG	129	30	12012E	3141N	2927-01291	10	GGGG	128	38
12225E	3852N	2945-01261	40	GGGG	128	33	12007E	4430N	2930-01423	10	FGGG	131	29
12224E	3850N	2927-01271	100	GGGG	128	33	12004E	3601N	2946-01324	30	GGGG	129	35
12204E	4555N	2929-01363	10	GGGG	130	28	12003E	3559N	2928-01334	90	GGGG	129	35
12157E	3727N	2945-01263	30	GGFG	128	34	11959E	4014N	2929-01381	10	GGGG	130	32
12156E	4143N	2946-01310	10	GGGG	129	31	11955E	3305S	2934-00443	20	GGGG	117	83
12154E	3725N	2927-01273	100	GGGG	128	34	11949E	4720N	2931-01472	30	GGGG	132	27
12155E	4140N	2928-01320	50	GGGG	129	31	11949E	3020N	2945-01284	40	GGGG	128	39
12142E	4845N	2930-01412	30	GGGG	131	26	11948E	3016N	2927-01294	10	GGGG	128	39
12147E	3139S	2933-00382	0	GGGG	116	82	11937E	3435N	2946-01330	40	GGGG	129	36

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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COORDINATE LISTING
FOR NON-US
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PAGE 0103

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
11937E	3433N	2928-01340	70	GGGG	129	36	11644E	5008N	2916-02043	10	GGGG	135	25
11935E	4305N	2930-01430	10	GGGG	131	30	11642E	4303N	2932-01542	50	GGGG	133	30
11930E	3850N	2929-01383	10	GGFF	130	33	11642E	3432N	2930-01453	90	GGGG	131	36
11929E	3430S	2934-00445	60	GGGG	117	84	11639E	3848N	2931-01495	10	GGGG	132	33
11919E	3014S	2935-00492	90	GGGG	118	81	11629E	2850N	2929-01413	30	FFFF	130	40
11914E	4556N	2931-01475	40	GGGG	132	28	11627E	3011S	2937-01004	10	GGGG	120	81
11911E	3309N	2946-01333	20	GGGG	129	37	11625E	2306N	2928-01372	30	GGGG	129	44
11911E	3307N	2928-01343	80	GGGG	129	37	11625E	2306N	2946-01362	50	GGGG	129	44
11903E	4139N	2930-01432	10	GGGG	131	31	11616E	3306N	2930-01455	90	GGGG	131	37
11902E	3724N	2929-01390	50	GGGG	130	34	11612E	4139N	2932-01544	50	GGGG	133	31
11855E	3139S	2935-00495	20	GGGG	118	82	11611E	3723N	2931-01502	50	GGGG	132	34
11846E	3143N	2946-01335	10	GGGG	129	38	11606E	4844N	2916-02050	40	GGGG	135	26
11846E	3141N	2928-01345	20	GGGG	129	38	11602E	3137S	2937-01011	0	GGGG	120	82
11841E	4431N	2931-01481	50	GGGG	132	29	11559E	5135N	2935-02085	10	GGGG	136	24
11835E	3558N	2929-01392	90	GGGG	130	35	11557E	5133N	2917-02095	80	GGGG	136	24
11833E	4014N	2930-01435	80	GGGG	131	32	11551E	3141N	2930-01462	80	GGGG	131	38
11830E	3305S	2935-00501	40	GGGG	118	83	11544E	3558N	2931-01504	90	GGGG	132	38
11821E	3017N	2946-01342	30	GGGG	129	39	11526E	3015N	2930-01464	50	GGGG	131	39
11821E	3015N	2928-01352	20	GGGG	129	39	11524E	2846S	2938-01069	30	GGGF	121	80
11810E	5011N	2933-01575	10	GGGG	134	25	11519E	5011N	2935-02092	10	GGGG	136	25
11810E	4306N	2931-01484	90	FGGG	132	30	11518E	3432N	2931-01511	90	GGFG	132	36
11809E	3433N	2929-01395	80	GGGG	130	36	11517E	5008N	2917-02101	60	GGGG	136	25
11805E	3431S	2935-00504	40	GGGG	118	84	11514E	3849N	2932-01553	40	GGGG	133	33
11804E	3849N	2930-01441	70	GGGG	131	33	11502E	2849N	2930-01471	30	GGGG	131	40
11754E	3011S	2936-00550	0	GGGG	119	81	11501E	3012S	2938-01062	80	GGGF	121	81
11743E	3307N	2929-01401	90	GGGG	130	37	11458E	2304N	2929-01431	50	GGGG	130	44
11739E	4140N	2931-01490	70	GGGG	132	31	11452E	3307N	2931-01513	100	FFFF	132	37
11736E	3723N	2930-01444	70	GGGG	131	34	11446E	4142N	2933-02002	10	GGGG	134	31
11729E	3137S	2936-00553	20	GGGG	119	82	11445E	3723N	2932-01560	80	GGGG	133	34
11718E	3142N	2929-01404	40	GGGG	130	38	11428E	3141N	2931-01520	90	GGFG	132	38
11708E	4014N	2931-01493	20	GGGG	132	32	11422E	2720S	2939-01111	40	GGGG	122	79
11708E	3557N	2930-01450	90	GGGG	131	35	11418E	3557N	2932-01562	90	GGGG	133	35
11704E	3302S	2936-00555	70	GGGG	119	83	11417E	4017N	2933-02005	10	GGGG	134	32
11653E	3016N	2929-01410	30	G GGG	130	39	11403E	3015N	2931-01522	80	GGFG	132	39
11650E	2845S	2937-01002	0	GGGG	120	80	11359E	2846S	2939-01114	60	GGGG	122	80
11644E	5011N	2934-02033	10	GGGG	135	25	11353E	5010N	2936-02150	10	GGGG	137	25

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0104

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT			12345678			LONG	LAT			12345678		
11352E	3431N	2932-01565	50	GGGG	133	36	10935E	3435N	2935-02135	90	GGGG	136	36
11351E	5010N	2918-02160	80	GGGG	137	25	10933E	3433N	2917-02145	80	GGGG	136	36
11348E	3851N	2933-02011	10	GGGG	134	33	10931E	3852N	2936-02182	10	GGGG	137	33
11324E	3304N	2932-01571	30	GGGG	133	37	10929E	3850N	2918-02192	70	GGGG	137	33
11320E	4141N	2916-02070	10	G GG	135	31	10902E	3727N	2936-02184	10	GGGG	137	34
11320E	3726N	2933-02014	40	GGGG	134	34	10902E	3725N	2918-02194	70	GGGG	137	34
11313E	4142N	2934-02060	40	GGGG	135	31	10848E	5134N	2940-02372	10	GGG	141	24
11301E	3141N	2932-01574	40	GGGG	133	38	10847E	5131N	2922-02382	40	GGGG	141	24
11253E	3600N	2933-02020	80	GGGG	134	35	10835E	3600N	2918-02201	70	GGGG	137	35
11251E	4015N	2916-02073	70	G GG	135	32	10835E	3600N	2936-02191	30	GGGG	137	35
11250E	4018N	2934-02063	30	GGGG	135	32	10832E	4018N	2937-02233	0	GGGG	138	32
11236E	3015N	2932-01580	80	GGGG	133	39	10832E	4016N	2919-02243	60	GGGG	138	32
11226E	3435N	2933-02023	90	GGGG	134	36	10809E	3434N	2918-02203	60	GGGG	137	36
11222E	3850N	2916-02075	60	GFGG	135	33	10808E	3435N	2936-02193	60	GFGG	137	36
11221E	3853N	2934-02065	60	GGFG	135	33	10804E	3853N	2937-02240	10	GGGG	138	33
11212E	2849N	2932-01583	90	GGGG	133	40	10803E	3851N	2919-02250	60	GGGG	138	33
11207E	2304N	2931-01543	60	GGGG	132	44	10743E	3308N	2918-02210	70	GGGG	137	37
11153E	3725N	2916-02082	90	GGGG	135	34	10742E	3309N	2936-02200	90	GFGG	137	37
11153E	3727N	2934-02072	70	GGGG	135	34	10736E	3727N	2937-02242	10	GGGG	138	34
11140E	5135N	2938-02255	30	PGGG	139	24	10735E	3726N	2919-02252	80	GGFG	138	34
11138E	5130N	2920-02265	80	GGGG	139	24	10722E	5134N	2923-02440	80	GGGG	142	24
11127E	3559N	2916-02084	90	GFGG	135	35	10717E	3143N	2918-02212	80	GGFG	137	38
11126E	3601N	2934-02074	60	FFGG	135	35	10716E	3143N	2936-02202	90	GGGG	137	38
11125E	4017N	2935-02121	10	GGGG	136	32	10708E	3601N	2915-02255	80	FFGG	138	35
11125E	4015N	2917-02131	30	GGGG	136	32	10708E	3601N	2937-02245	10	GGGG	138	35
11101E	3432N	2916-02091	90	GFGG	135	36	10706E	4018N	2938-02291	10	GFPP	139	32
11059E	3435N	2934-02081	40	GGGG	135	36	10705E	4012N	2920-02301	10	GGGG	139	32
11056E	3851N	2935-02124	20	GGGG	136	33	10652E	3017N	2915-02215	40	GGGG	137	39
11056E	3850N	2917-02133	20	GGGG	136	33	10652E	3017N	2936-02205	100	GGGG	137	39
11028E	3724N	2917-02140	40	GGGG	136	34	10642E	5010N	2923-02442	90	GGGG	142	25
11014E	5135N	2939-02313	70	GFGG	140	24	10642E	3436N	2919-02261	80	FFFG	138	36
11010E	5130N	2921-02323	70	GGGG	140	24	10641E	3435N	2937-02251	20	GGGG	138	36
11001E	3600N	2935-02133	90	GGGG	136	35	10637E	3852N	2938-02294	40	GGPG	139	33
11000E	4018N	2936-02175	10	GGGG	137	32	10636E	3848N	2920-02304	20	GGGG	139	33
11000E	3558N	2917-02142	70	GGGG	136	35	10617E	3309N	2919-02264	80	FFFG	138	37
10958E	4015N	2918-02185	80	GGFG	137	32	10615E	3308N	2937-02254	10	GGGG	138	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT-2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0105

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBY MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBY MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
10609E	3726N	2938-02300	10	GGGG	139	34	10052E	5256N	2910-03125	70	GGGG	147	23
10608E	3722N	2920-02310	30	GGGG	139	34	10025E	4141N	2925-02581	70	GGGF	144	31
10551E	3144N	2919-02270	60	GGGG	138	34	10025E	3723N	2906-02544	10	GGGG	143	34
10550E	3143N	2937-02260	50	GGGG	138	38	10024E	4138N	2907-02591	80	FF	144	31
10542E	3601N	2938-02303	10	GGGG	139	35	10011E	5421N	2929-03171	40	GGGG	148	22
10541E	3557N	2920-02313	40	GGGG	139	35	09959E	3559N	2924-02541	20	GGGG	143	35
10526E	3018N	2919-02273	60	GGGG	138	39	09958E	3557N	2906-02551	10	GGGG	143	35
10526E	3017N	2937-02263	30	GGGG	138	39	09955E	4016N	2925-02584	70	FFFF	144	32
10516E	3436N	2938-02305	20	GGGG	139	36	09954E	4012N	2907-02593	90	G GG	144	32
10516E	3432N	2920-02315	40	GGGG	139	36	09934E	5548N	2930-03223	30	GGGG	149	21
10514E	5302N	2943-02535	60	GGGG	144	23	09931E	3432N	2906-02553	10	GGGG	143	36
10511E	5257N	2925-02545	100	G	144	23	09930E	4305N	2926-03033	50	FGGG	145	30
10450E	3309N	2938-02312	50	GGGG	139	37	09929E	4303N	2908-03043	0	GG G	145	30
10450E	3307N	2920-02322	50	GGGG	139	37	09925E	3847N	2907-03000	90	GGGG	144	33
10425E	3141N	2920-02324	50	GGGG	139	38	09906E	3306N	2906-02560	20	GGGG	143	37
10424E	3142N	2938-02314	80	GGFG	139	38	09900E	4140N	2926-03035	80	FGGF	145	31
10400E	3016N	2938-02321	40	GGGG	139	39	09858E	4138N	2908-03045	0	F GG	145	31
10400E	3015N	2920-02331	60	GGGG	139	39	09857E	3722N	2907-03002	80	GGGG	144	34
10353E	5549N	2945-03042	10	GGGG	146	21	09847E	5424N	2930-03225	30	GGGG	149	22
10349E	5544N	2927-03052	90	GGGG	146	21	09841E	3141N	2906-02562	40	GGFG	143	38
10347E	5258N	2924-03003	60	GGGG	145	23	09834E	4429N	2909-03094	10	FFFF	146	29
10346E	5302N	2944-02593	10	PGGG	145	23	09832E	3559N	2925-02595	90	FGFF	144	35
10306E	5425N	2945-03045	10	GGGG	146	22	09831E	3556N	2907-03005	70	GGGG	144	35
10305E	5134N	2926-03010	90	GGGG	145	24	09830E	4015N	2926-03042	70	GGGG	145	32
10302E	5421N	2927-03055	90	GGGG	146	22	09829E	4013N	2908-03052	10	GGGG	145	32
10225E	5545N	2928-03111	80	GGGG	147	21	09816E	3015N	2906-02565	40	GGGG	143	39
10223E	5544N	2910-03120	10	GGGG	147	21	09806E	3433N	2925-03002	40	FGGG	144	36
10221E	5301N	2945-03051	10	GGGG	146	23	09804E	3432N	2907-03011	90	GGGG	144	36
10217E	5257N	2927-03061	90	GGGG	146	23	09803E	4304N	2909-03101	40	FFFF	146	30
10138E	5421N	2928-03113	80	GGGG	147	22	09801E	3849N	2926-03044	60	FFGG	145	33
10136E	5420N	2910-03123	10	GGGG	147	22	09800E	3847N	2908-03054	50	GGGG	145	33
10124E	3603N	2941-02473	10	GGGG	142	35	09751E	2848N	2906-02571	90	GGGG	143	40
10124E	3559N	2923-02483	90	GGFF	142	35	09744E	4555N	2928-03140	10	P GP	147	28
10121E	4013N	2906-02535	20	G GG	143	32	09740E	3308N	2925-03004	10	F GF	144	37
10054E	5256N	2928-03120	80	GGGG	147	23	09739E	3306N	2907-03014	90	GGGG	144	37
10053E	3848N	2906-02542	10	GGGG	143	33	09733E	3724N	2926-03051	80	FFGG	145	34

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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COORDINATE LISTING
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PAGE 0106

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MGS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MGS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG LAT						LONG LAT					
09732E 3722N	2908-03061	50	FFFF	145	34	09539E 2557N	2907-03034	90	GGGG	144	42
09729E 5710N	2932-03332	10	GGGG	151	20	09538E 4014N	2910-03164	10	GGGF	147	32
09728E 2722N	2906-02574	90	GGGG	143	41	09538E 3558N	2909-03121	90	FFFG	146	35
09716E 3143N	2925-03011	20	FFGG	144	38	09524E 4720N	2912-03255	80	GGGG	149	27
09710E 4429N	2910-03152	80	GFFG	147	29	09523E 3016N	2926-03071	60	GGGG	145	39
09706E 3559N	2926-03053	90	GGGG	145	35	09523E 3015N	2908-03081	90	GGGG	148	39
09705E 3557N	2908-03063	60	FFFF	145	35	09516E 2432N	2925-03031	70	GGGG	144	43
09705E 2556N	2906-02580	80	GGGG	143	42	09516E 2430N	2907-03041	90	GGGG	144	43
09651E 3016N	2925-03013	60	GGGG	144	39	09515E 5547N	2933-03393	40	GGGG	152	21
09650E 4719N	2911-03201	50	FFFF	148	27	09512E 3433N	2909-03124	90	FFFG	146	36
09650E 4719N	2929-03192	30	FFGG	148	27	09511E 4305N	2911-03213	80	GGGF	148	30
09639E 5546N	2932-03335	10	GGGG	151	21	09511E 4304N	2929-03203	70	FFGP	148	30
09639E 3433N	2926-03060	40	GGGG	145	36	09509E 3849N	2910-03170	10	GGGF	147	33
09638E 4305N	2910-03155	50	GGGF	147	30	09508E 5258N	2932-03344	20	GGGG	151	23
09638E 3432N	2908-03070	90	GGGG	145	36	09500E 2851N	2926-03074	70	GGGG	145	40
09626E 2850N	2925-03020	40	GGGG	144	40	09459E 2849N	2908-03084	90	GGGG	145	40
09626E 2849N	2907-03025	90	GGGG	144	40	09454E 2306N	2925-03034	90	GGGG	144	44
09620E 2303N	2906-02585	90	GGGG	143	44	09453E 2304N	2907-03043	80	GGGG	144	44
09618E 4559N	2875-03223	10	PPFF	148	28	09450E 4555N	2912-03262	60	GGGG	149	28
09616E 4554N	2911-03204	30	FFFF	148	28	09447E 3307N	2909-03130	90	GGGG	146	37
09615E 4554N	2929-03194	80	FGFF	148	28	09443E 3724N	2928-03163	60	PPPP	147	34
09613E 3308N	2926-03062	10	GGGG	145	37	09441E 4138N	2929-03210	60	GGGG	148	31
09612E 3306N	2908-03072	80	GGGG	145	37	09441E 3724N	2910-03173	30	GGGG	147	34
09609E 4140N	2928-03152	10	FFP	147	31	09440E 4140N	2911-03215	90	GGFF	148	31
09608E 4140N	2910-03161	40	GGGF	147	31	09439E 5711N	2934-03445	50	FGGG	153	20
09606E 3723N	2909-03115	90	PPPP	146	34	09436E 2724N	2926-03080	80	GGGG	145	41
09605E 5710N	2933-03390	20	GGGG	152	20	09435E 5707N	2916-03454	10	GGGG	153	20
09602E 2724N	2925-03022	80	GGGG	144	41	09435E 2723N	2908-03090	80	GGGG	145	41
09602E 2723N	2907-03032	90	GGGG	144	41	09432E 2140N	2925-03040	90	GGGG	144	45
09558E 2137N	2906-02592	90	GGGG	143	45	09431E 2138N	2907-03050	70	GGGG	144	45
09552E 5422N	2932-03341	20	GGGG	151	22	09428E 5434N	2933-03395	70	GGGG	152	22
09548E 3142N	2926-03065	10	GGGG	145	38	09426E 5135N	2932-03350	30	GGGG	151	24
09547E 3140N	2908-03075	90	GGGG	145	39	09422E 3141N	2909-03133	90	GGGG	146	38
09543E 4430N	2911-03210	20	GGGF	148	29	09416E 4430N	2912-03264	30	GGGG	149	29
09542E 4429N	2929-03201	90	FFFG	148	29	09414E 3559N	2910-03175	70	GGGG	147	35
09539E 2558N	2925-03025	80	GGGG	144	42	09413E 2558N	2926-03083	50	FGGG	148	42

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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COORDINATE LISTING
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PAGE 0107

PRINCIPAL PT. OF IMAGE	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER
09412E	2557N	2908-03093	70	GGGG	145	42	09257E	3141N	2910-03191	90	GGGG	147	38
09411E	4013N	2929-03212	50	GGGG	148	32	09248E	3600N	2875-03252	80	FFFF	148	35
09410E	4015N	2911-03222	90	GGGF	148	32	09247E	4018N	2876-03295	70	FFGP	149	32
09410E	2013N	2925-03043	90	GGGF	144	46	09247E	3557N	2929-03224	90	GGGG	148	35
09410E	2011N	2907-03052	70	GGGG	144	46	09246E	2557N	2909-03151	90	FFFF	146	42
09358E	3015N	2909-03135	90	GGGG	146	39	09244E	4014N	2912-03280	10	GGGF	149	32
09350E	2432N	2926-03085	60	GGGG	145	43	09244E	2012N	2908-03111	30	GGGG	145	46
09350E	2431N	2908-03095	90	GGGG	145	43	09243E	2013N	2926-03101	90	GGGG	145	46
09349E	5547N	2934-03651	70	FGGG	153	21	09232E	4721N	2932-03362	60	PPPP	151	27
09348E	3433N	2910-03182	50	GGGG	147	36	09232E	4717N	2914-03372	10	GGGG	151	27
09347E	4309N	2876-03290	10	FGFF	149	30	09232E	3016N	2910-03193	90	GGGG	147	39
09346E	5543N	2916-03461	20	FGGG	153	21	09222E	3434N	2875-03255	50	FFGF	149	36
09346E	5010N	2932-03353	20	FFFF	151	25	09222E	1847N	2926-03103	60	GGGG	145	47
09346E	5006N	2914-03363	50	PGGG	151	25	09222E	1845N	2908-03113	30	FGGG	145	47
09344E	5300N	2933-03402	90	GGFG	152	25	09221E	5547N	2935-03505	80	GGGG	154	21
09344E	4306N	2912-03271	40	GGGG	149	30	09221E	3433N	2911-03240	90	FGGF	148	36
09343E	3849N	2929-03215	20	GGGG	148	33	09221E	3432N	2929-03230	80	GGGG	148	36
09342E	3850N	2911-03224	90	FGG	148	33	09218E	5543N	2917-03515	20	FGGG	154	21
09333E	2849N	2909-03142	90	FFFF	146	40	09218E	3852N	2876-03301	70	FFGF	149	33
09328E	2306N	2926-03092	70	GGGG	145	44	09217E	5259N	2934-03460	70	GGGG	153	23
09328E	2305N	2908-03102	70	GGGG	145	44	09216E	3850N	2912-03282	10	GGFF	149	33
09322E	3307N	2910-03184	90	GGGG	147	37	09215E	5255N	2916-03470	90	GGGG	153	23
09317E	4143N	2876-03292	60	FFGP	149	31	09208E	2849N	2910-03200	90	GGGG	147	40
09315E	3723N	2929-03221	40	GGGG	148	34	09208E	2849N	2923-03190	70	GGFG	147	40
09314E	3724N	2911-03231	90	GGGF	148	34	09157E	4557N	2932-03364	50	GGFF	151	28
09313E	4140N	2912-03273	30	GGGG	149	31	09157E	4552N	2914-03374	20	PGGG	151	28
09311E	5710N	2935-03503	60	GGGG	154	20	09156E	3309N	2875-03261	70	GGGF	148	37
09309E	2723N	2909-03144	90	FFPF	146	41	09156E	3307N	2911-03242	70	GGGF	148	37
09308E	5704N	2917-03513	10	GGGG	154	20	09155E	3306N	2929-03233	80	GGGG	148	37
09308E	4846N	2932-03355	30	PPPP	151	26	09150E	3726N	2876-03304	80	GGGG	149	34
09308E	4842N	2914-03365	20	PGGG	151	26	09149E	4140N	2913-03332	10	FFFF	150	31
09306E	2139N	2908-03104	60	GGGG	145	45	09149E	3725N	2912-03285	20	GGGG	149	34
09305E	2139N	2926-03094	90	GGGG	145	45	09146E	5710N	2936-03561	70	GGGG	155	20
09302E	5423N	2934-03454	80	GGGG	153	22	09144E	4847N	2933-03413	60	FFFF	152	26
09301E	5136N	2935-03404	80	GGGG	152	24	09144E	2723N	2910-03202	70	F	147	41
09259E	5419N	2916-03463	80	GGGG	153	22	09143E	5707N	2918-03571	10	GGGF	155	20

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT-2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0108

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
09143E	2723N	2928-03193	90	GGGG	147	41	09031E	3308N	2912-03300	10	GGGG	149	37
09141E	4842N	2915-03423	50	FFGF	152	26	09022E	4142N	2932-03380	10	FFGF	151	31
09135E	5133N	2898-03482	30	GGGG	153	24	09021E	4138N	2914-03390	60	GGGG	151	31
09134E	5424N	2935-03512	70	GGGG	154	22	09020E	2725N	2875-03275	90	FFGF	148	41
09133E	5131N	2916-03472	60	FFFF	153	24	09018E	2723N	2911-03260	90	GGGG	148	41
09132E	5421N	2917-03522	20	GFGG	154	22	09017E	4844N	2898-03491	10	GGGG	153	26
09130E	3142N	2911-03245	90	GFGF	148	38	09015E	4843N	2916-03481	80	GGGG	153	26
09130E	3140N	2929-03235	50	GGGG	148	38	09014E	2139N	2910-03220	50	GGGG	147	45
09124E	4432N	2932-03371	40	PFFF	151	29	09009E	5423N	2936-03570	50	GGGG	155	22
09124E	4427N	2914-03381	10	FFGG	151	29	09008E	5134N	2899-03540	10	P	154	24
09123E	3601N	2876-03310	80	GGGG	149	35	09006E	5421N	2918-03580	60	GGGG	155	22
09122E	3559N	2912-03291	40	GGGG	149	35	09006E	3143N	2876-03322	70	GGGG	149	38
09121E	2557N	2910-03205	40	FFGG	147	42	09005E	3142N	2912-03303	40	GGGG	149	38
09120E	4014N	2913-03334	20	FFFF	150	32	08956E	2558N	2875-03282	80	FFFF	148	42
09117E	2012N	2909-03165	30	GGGF	146	46	08955E	2558N	2911-03263	90	GGGG	148	42
09108E	4723N	2933-03420	70	FFFF	152	27	08952E	4017N	2932-03382	10	FFGF	151	32
09104E	3015N	2929-03242	70	GGGF	148	39	08952E	2013N	2910-03223	40	GGGG	147	46
09105E	3016N	2911-03251	90	GGGF	148	39	08951E	4012N	2914-03392	40	GGGG	151	32
09058E	2432N	2910-03211	50	FFFG	147	43	08948E	5833N	2938-04070	60	GGGG	157	19
09057E	3435N	2876-03313	70	GGGG	149	36	08945E	5831N	2920-04080	60	GGG	157	19
09057E	2430N	2928-03202	80	FFFF	147	43	08942E	4722N	2934-03474	10	FGF	153	27
09056E	5547N	2936-03563	60	GGGG	155	21	08942E	3018N	2876-03324	80	GGGG	149	39
09056E	3433N	2912-03294	30	GGGG	149	36	08941E	4719N	2898-03493	30	GGGG	153	27
09056E	1846N	2909-03171	30	GGGG	146	47	08940E	3016N	2912-03305	90	GFGF	149	39
09055E	5009N	2898-03484	30	GGGG	153	25	08939E	4718N	2916-03484	90	FFFF	153	27
09053E	5544N	2918-03573	50	GG G	155	21	08933E	2432N	2875-03254	50	FF G	148	43
09053E	5007N	2916-03475	50	FFGF	153	25	08933E	2431N	2911-03265	80	GGGF	148	43
09053E	4307N	2932-03373	10	FFFF	151	30	08931E	3433N	2913-03352	20	GGGG	150	36
09052E	4303N	2914-03383	10	PGGG	151	30	08930E	1847N	2910-03225	40	GGGG	147	47
09050E	5259N	2935-03514	30	GGGG	154	27	08928E	5009N	2899-03543	10	FFGG	154	25
09048E	5257N	2917-03524	60	PPPP	154	23	08926E	4303N	2915-03441	30	FFFF	152	30
09042E	2849N	2911-03254	90	GFGF	148	40	08924E	5259N	2936-03572	90	GGFG	155	23
09042E	3849N	2929-03244	70	GGGG	148	40	08923E	3852N	2932-03385	20	GGGF	151	33
09036E	2306N	2910-03214	40	FFGF	147	44	08923E	3847N	2914-03395	30	GGGG	151	33
09035E	1720N	2909-03174	20	GFGF	146	48	08922E	5257N	2918-03582	70	GGGG	155	23
09031E	3309N	2876-03315	70	GGGG	149	37	08918E	2852N	2876-03331	70	GGGG	149	40

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0109

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
08915E	2849N	2912-03312	90	FFGG	149	40	08804E	1847N	2911-03283	60	FFGF	148	47
08910E	2306N	2911-03272	70	GGFG	148	44	08803E	5545N	2920-04085	70	GGGG	157	21
08910E	2305N	2875-03291	50	FGGF	148	44	08803E	3435N	2932-03400	90	GGGG	151	34
08909E	2304N	2929-03262	60	GGGG	148	44	08801E	4307N	2934-03490	10	GGGG	153	30
08907E	4557N	2934-03481	0	FGGF	153	28	08801E	4304N	2916-03495	40	GGGG	153	30
08906E	4555N	2898-03500	70	GGGG	153	28	08800E	5008N	2918-03591	60	GGGF	155	25
08905E	4554N	2916-03490	50	FFFF	153	28	08759E	3852N	2933-03443	30	GGGF	152	33
08857E	4142N	2933-03434	0	FGGF	152	31	08757E	3847N	2915-03453	40	FGGF	152	33
08856E	3727N	2932-03391	40	PPFF	151	34	08751E	2850N	2913-03370	80	GGGF	150	40
08855E	4138N	2915-03444	20	FFFF	152	31	08743E	2306N	2912-03330	40	GGGG	149	44
08855E	3722N	2914-03401	40	GGGG	151	34	08743E	1721N	2911-03290	60	FFFF	148	48
08854E	5710N	2938-04073	50	GGGG	157	20	08741E	4555N	2899-03554	10	GGGG	154	28
08854E	2726N	2876-03333	80	PPPP	149	41	08737E	3309N	2932-03403	80	GGGG	151	37
08853E	5708N	2920-04083	80	FGGG	157	20	08736E	3305N	2914-03413	80	GGGG	151	37
08851E	4845N	2899-03545	10	FGGG	154	26	08731E	3726N	2933-03445	30	GGGF	152	34
08851E	2723N	2912-03314	90	GGGG	149	41	08730E	4142N	2934-03492	20	FFGG	153	31
08849E	4843N	2917-03540	80	FGGG	154	26	08730E	4139N	2898-03511	10	GGGG	153	31
08848E	2140N	2911-03274	70	GGGF	148	45	08730E	4139N	2916-03502	30	GGGF	153	31
08848E	2139N	2875-03293	50	FFGF	148	45	08729E	3721N	2915-03455	70	GGGG	152	34
08848E	1554N	2928-03225	100	FFGG	147	49	08727E	2724N	2913-03373	80	GGGG	150	41
08847E	2138N	2929-03265	30	FGGG	148	45	08723E	4844N	2918-03594	40	GGGG	155	26
08840E	5133N	2918-03585	60	GGF	155	24	08722E	2140N	2876-03351	70	FFFF	149	45
08833E	4432N	2934-03483	0	FGGG	153	29	08722E	1555N	2911-03292	70	GGFG	148	49
08832E	4429N	2916-03493	10	FGGG	153	29	08722E	1552N	2875-03311	90	FFFF	148	49
08831E	2600N	2876-03340	90	PPPP	149	42	08721E	6922N	2929-04555	50	GGGG	166	11
08829E	3601N	2932-03394	40	FGFF	151	35	08721E	2140N	2912-03332	50	GGGG	149	45
08827E	4017N	2933-03440	0	FGGF	152	32	08717E	5423N	2938-04082	20	GGGG	157	22
08828E	3556N	2914-03404	60	PGGG	151	35	08716E	5421N	2920-04092	30	GGGG	157	22
08828E	2558N	2912-03321	90	GGGF	149	42	08712E	3143N	2932-03405	80	PPFF	151	38
08826E	2013N	2911-03281	70	FFFF	148	46	08711E	3140N	2914-03415	90	GGGG	151	38
08825E	2012N	2929-03271	40	PPPP	148	46	08706E	4431N	2935-03541	30	GGGG	154	29
08815E	4719N	2899-03552	10	FFGG	154	27	08705E	4429N	2917-03551	50	GGFG	154	29
08808E	2433N	2876-03342	70	GGGF	149	43	08705E	3601N	2933-03452	40	GGGG	152	35
08807E	2434N	2930-03314	40	PPPP	149	43	08704E	2558N	2913-03375	40	GGGG	150	42
08805E	2432N	2912-03323	50	GGGG	149	43	08702E	3557N	2915-03462	80	GGGG	152	35
08804E	5547N	2938-04075	10	GGGG	157	21	08701E	4017N	2934-03435	10	FFGF	153	32

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT#2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0110

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MBS	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MBS	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT			12345678			LONG	LAT			12345678		
08701E	1428N	2911-03295	70	GGGF	148	50	08558E	4845N	2919-04052	30	FFGG	156	26
08701E	1426N	2875-03314	70	FF G	148	50	08557E	2140N	2913-03391	40	GGFG	150	45
08700E	4014N	2898-03514	0	GGGG	153	32	08557E	1555N	2912-03350	90	GGFF	149	49
08700E	4014N	2916-03504	30	FGGG	153	32	08557E	1554N	2876-03365	90	FFFF	149	49
08700E	2014N	2912-03335	50	GGGG	149	46	08552E	5422N	2939-04140	80	GGGG	158	22
08647E	4719N	2918-04000	60	GGGF	155	27	08551E	5421N	2921-04150	30	GGGG	158	22
08647E	3018N	2932-03412	70	FGGG	151	39	08550E	5135N	2938-04091	10	GGGG	157	24
08647E	3013N	2914-03422	80	GGGG	151	39	08549E	5134N	2920-04101	30	GGGG	157	24
08641E	2432N	2913-03382	50	GGGG	150	43	08547E	3143N	2933-03463	70	GGGG	152	38
08639E	1848N	2912-03341	60	GGGG	149	47	08546E	3140N	2915-03473	60	GGGG	152	38
08639E	1847N	2876-03360	50	PPPP	149	47	08540E	4430N	2918-04005	30	GGGG	155	29
08638E	3435N	2933-03454	40	FGGG	152	36	08539E	3600N	2934-03510	50	GGGG	153	35
08635E	3432N	2915-03464	90	GFFG	152	36	08537E	3558N	2898-03525	30	GGGG	153	35
08634E	4307N	2935-03544	40	GGGG	154	30	08537E	2600N	2932-03423	60	FFGF	151	42
08633E	4304N	2917-03554	90	GGGG	154	30	08537E	2556N	2914-03433	80	GGGG	151	42
08633E	3852N	2934-03401	30	FFGG	153	33	08536E	4015N	2899-03572	40	FFGF	154	32
08632E	5259N	2938-04084	20	GGGG	157	23	08536E	3558N	2916-03520	80	GGGG	153	35
08632E	3849N	2898-03520	10	GGGG	153	33	08536E	2014N	2913-03393	60	GGGG	150	46
08631E	5257N	2920-04094	10	GGFG	157	23	08536E	1428N	2876-03372	90	FFFF	149	50
08624E	2847N	2914-03424	80	PGGG	151	40	08535E	1429N	2912-03353	90	GGGG	149	50
08623E	2852N	2932-03414	60	GGGF	151	40	08533E	4014N	2917-03563	90	GGGG	154	32
08619E	2306N	2913-03384	60	GGGG	150	44	08522E	4720N	2919-04054	20	FGGG	156	27
08618E	1722N	2912-03344	70	GGGG	149	48	08522E	3018N	2933-03470	50	FGGG	152	39
08618E	1721N	2876-03363	90	FFFF	149	48	08515E	2430N	2914-03440	70	FGGG	151	43
08612E	4555N	2918-04003	50	GGFG	155	28	08515E	1848N	2913-03400	90	GGGF	150	47
08612E	3310N	2933-03461	60	FGGG	152	37	08514E	2434N	2932-03430	30	FFGF	151	43
08610E	3306N	2915-03471	80	GGGG	152	37	08513E	3435N	2934-03513	90	GGGG	153	36
08606E	4140N	2899-03570	10	FGGG	154	31	08512E	5549N	2940-04192	30	GGGG	159	21
08606E	3726N	2934-03504	50	FGGG	153	34	08511E	5545N	2922-04202	90	GGGG	159	21
08605E	3724N	2898-03523	20	GGGG	153	34	08511E	5010N	2938-04093	10	GGGG	157	25
08604E	3724N	2916-03513	70	GGGG	153	34	08511E	3432N	2898-03532	20	GGGG	153	36
08603E	4139N	2917-03560	90	GGFF	154	31	08510E	5009N	2920-04103	30	GGGG	157	25
08602E	5712N	2940-04185	50	GGGG	159	20	08510E	3432N	2916-03522	90	GGGG	153	36
08601E	5708N	2922-04195	90	FFFF	159	20	08508E	5258N	2939-04143	90	GGGG	158	23
08600E	2726N	2932-03421	80	FFGF	151	41	08508E	4305N	2918-04012	40	GGFF	155	29
08600E	2722N	2914-03431	90	FGGG	151	41	08508E	3850N	2899-03575	60	GGGG	154	33

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER:
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT#2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0111

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
08506E	5258N	2921-04152	50	GGGF	158	23	08355E	4720N	2920-04112	10	GGGG	157	27
08505E	3849N	2917-03565	90	GFGG	154	33	08355E	3015N	2916-03534	50	GGGG	153	39
08458E	2852N	2933-03472	70	GGGG	152	40	08348E	2434N	2933-03484	40	FFFG	152	43
08457E	2847N	2915-03482	80	GGFG	152	40	08348E	2430N	2915-03494	90	GGGG	152	43
08453E	2304N	2914-03442	80	GGGG	151	44	08347E	1849N	2932-03444	60	FGGP	151	47
08453E	1722N	2913-03402	90	GGGP	150	48	08346E	5010N	2939-04152	50	GGGG	158	25
08451E	2307N	2932-03432	50	FGGG	151	44	08345E	5010N	2921-04161	50	GFGG	158	25
08448E	4556N	2919-04061	40	FGGG	156	28	08344E	5545N	2920-04260	30	GGGG	160	21
08446E	3309N	2934-03515	90	GGGG	153	37	08344E	3431N	2917-03581	50	GGGG	154	36
08445E	3306N	2898-03534	40	GGGG	153	37	08343E	3433N	2899-03590	30	GGGG	154	36
08445E	3306N	2916-03525	80	FFFF	153	37	08342E	4306N	2919-04070	50	GFGG	156	30
08439E	3725N	2899-03581	80	GGGG	154	34	08341E	5301N	2940-04201	80	GGGG	159	23
08437E	4140N	2918-04014	40	GFGG	155	31	08339E	5257N	2922-04211	60	GGGG	159	23
08434E	2726N	2933-03475	90	GGGG	152	41	08338E	3850N	2918-04023	0	FFFF	155	33
08433E	2721N	2915-03485	50	GGGG	152	41	08333E	2851N	2934-03531	90	GFFG	153	40
08432E	4846N	2938-04100	10	FGGG	157	26	08332E	2849N	2916-03540	40	GGGG	153	40
08432E	4845N	2920-04110	10	GGGG	157	26	08326E	2307N	2933-03490	50	FFGG	152	44
08432E	4556N	2913-03405	90	GGGF	150	49	08326E	2304N	2915-03500	90	GGGG	152	44
08430E	2137N	2914-03445	90	GGGG	151	45	08323E	4555N	2902-04124	60	GFGG	157	28
08429E	2141N	2932-03435	70	FFGG	151	45	08320E	4556N	2920-04115	10	FFGF	157	28
08426E	5134N	2933-04145	90	GGGG	158	24	08318E	3306N	2899-03593	90	GGGG	154	37
08425E	5425N	2940-04194	50	GGGG	159	22	08318E	3306N	2917-03583	30	GGGG	154	37
08424E	5422N	2922-04204	60	GGGG	159	22	08312E	4140N	2919-04072	50	GGGG	156	31
08424E	5134N	2921-04155	60	GGGG	158	24	08311E	3724N	2918-04030	0	FFFF	155	34
08421E	3143N	2934-03522	70	FGGF	153	38	08310E	5711N	2942-04301	100	FGGG	161	20
08420E	3140N	2898-03541	40	GGGG	153	38	08309E	5708N	2924-04311	100	GFGG	161	20
08420E	3140N	2916-03531	70	GFGG	153	38	08309E	2725N	2934-03533	100	GGGF	153	41
08414E	4430N	2919-04063	30	GGGF	156	29	08308E	2723N	2916-03543	60	GGGG	153	41
08412E	1429N	2913-03411	90	GGGF	150	50	08307E	4846N	2939-04154	20	GGGG	158	26
08411E	3559N	2899-03584	50	GGGG	154	35	08306E	4845N	2921-04164	60	GGGG	158	26
08411E	2600N	2933-03481	60	GGGG	152	42	08304E	2141N	2933-03493	60	FGGG	152	45
08410E	2556N	2915-03491	60	GGGG	152	42	08304E	2138N	2915-03503	90	GGGG	152	45
08408E	2015N	2932-03441	50	FFGG	151	46	08304E	1557N	2932-03453	40	FFFF	151	49
08407E	4015N	2918-04021	10	GGFF	155	32	08259E	5424N	2941-04252	60	GGGG	160	22
08357E	3017N	2934-03524	60	GGGG	153	39	08259E	5137N	2940-04203	90	GGGG	159	24
08356E	4721N	2938-04102	10	GGGG	157	27	08257E	5422N	2923-04262	80	GGGG	160	22

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT-2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0112

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV M88	ORBIT PATH	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV M88	ORBIT PATH	FRAME ROW NUMBER
LONG LAT			12345678	NUMBER		LONG LAT			12345678	NUMBER	
08257E 5133N	2922-04213	70	GGGG	159	24	08156E 4557N	2939-04163	10	GGGG	158	28
08253E 3141N	2899-03595	80	GGGG	154	38	08155E 4555N	2921-04173	70	GGGG	158	28
08253E 3141N	2917-03590	70	GGGG	154	38	08151E 3306N	2918-04041	30	GGGF	155	37
08250E 4430N	2902-04131	20	FGGF	157	29	08147E 4139N	2902-04140	10	GGGG	157	31
08246E 4431N	2920-04121	10	GGGG	157	29	08144E 4140N	2920-04130	10	GGGG	157	31
08246E 2559N	2934-03540	90	FFFF	153	42	08144E 3724N	2919-04084	10	FGGF	156	34
08245E 2557N	2916-03545	90	GGGG	153	42	08141E 4848N	2940-04212	70	GGGG	159	26
08244E 3558N	2918-04032	10	FGGF	155	35	08140E 4845N	2922-04222	80	FF	159	26
08243E 2557N	2898-03555	80	GGGG	153	42	08140E 2724N	2899-04011	90	GGGG	154	41
08243E 1429N	2932-03455	50	FFFF	151	50	08140E 2723N	2917-04001	90	FGGF	154	41
08242E 2018N	2933-03495	60	FGGG	152	46	08138E 2142N	2934-03551	50	GGGG	153	45
08242E 2012N	2915-03505	90	GGGG	152	46	08138E 1556N	2933-03511	70	FGGF	152	49
08241E 4015N	2919-04075	20	FGGG	156	32	08137E 2139N	2916-03561	90	GGGG	153	45
08231E 4721N	2939-04161	30	GGFF	158	27	08137E 1554N	2915-03521	70	FFFF	152	49
08230E 4720N	2921-04170	60	GGGG	158	27	08134E 5424N	2942-04310	90	FGGG	161	22
08228E 3015N	2899-04002	70	GGGG	154	39	08133E 5136N	2941-04261	50	GGGG	160	24
08228E 3015N	2917-03892	80	GGGG	154	39	08131E 5421N	2924-04320	30	GGGG	161	22
08223E 1303N	2932-03462	40	FFFF	151	51	08131E 5133N	2923-04271	90	GGGG	160	24
08222E 2433N	2934-03542	90	GGGG	153	43	08125E 3141N	2918-04044	40	GGGF	155	38
08222E 2431N	2916-03552	80	GGGG	153	43	08123E 4431N	2939-04170	0	GGGG	158	29
08221E 5547N	2942-04304	90	GGG	161	21	08122E 4430N	2921-04175	90	GGGG	158	29
08220E 1849N	2933-03502	90	GGGG	152	47	08121E 0843N	2932-03473	10	GGGG	151	54
08219E 5013N	2940-04210	70	GGGG	159	25	08118E 3558N	2919-04090	10	FFFF	156	35
08218E 5545N	2924-04314	90	FGGG	161	21	08117E 4014N	2902-04142	10	FGGF	157	32
08218E 5009N	2922-04220	70	GGGG	159	25	08117E 2557N	2899-04013	90	GGGG	154	42
08218E 4304N	2902-04133	10	GGGG	157	30	08117E 2557N	2917-04004	90	FGGF	154	42
08217E 3432N	2918-04035	50	GGGF	155	36	08117E 1429N	2933-03513	40	FGGF	152	50
08215E 5300N	2941-04255	10	GGGG	160	23	08116E 2015N	2934-03554	90	GGGF	153	46
08215E 4305N	2920-04124	10	GGGG	157	30	08116E 1428N	2918-03523	60	FGGG	152	50
08213E 5257N	2923-04265	90	FGGG	160	23	08115E 4016N	2920-04133	40	GGGG	157	32
08212E 3850N	2919-04081	10	GGGG	156	33	08115E 2013N	2916-03563	90	FGGF	153	46
08204E 2849N	2899-04004	90	GGGG	154	40	08104E 4720N	2922-04225	30	F	159	27
08204E 2849N	2917-03595	90	FGGF	154	40	08101E 3015N	2918-04050	80	GGGF	155	39
08200E 2308N	2934-03545	90	GGGG	153	44	08100E 0716N	2932-03480	10	GGGG	151	55
08159E 2305N	2916-03554	80	GGGG	153	44	08057E 1303N	2933-03520	40	FGGF	152	51
08159E 1723N	2933-03504	90	GGGG	152	48	08056E 1301N	2915-03530	70	FGGG	152	51

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT#2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0113

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
08055E	2431N	2917-04010	90	GFFF	154	43	08007E	5420N	2925-04374	60	GGGG	162	22
08054E	5012N	2941-04264	90	GGGG	160	25	08007E	5136N	2942-04315	60	GG	161	24
08054E	2431N	2899-04020	80	GGGG	154	43	08005E	5133N	2924-04325	50	GGGG	161	24
08054E	1848N	2934-03560	90	GGGG	153	47	08001E	3142N	2919-04102	90	PFFG	156	38
08053E	1846N	2916-03570	90	GGGG	153	47	07956E	4430N	2922-04234	30	GGGG	159	29
08052E	3433N	2919-04093	40	GGGF	156	36	07954E	3558N	2902-04154	10	GGGG	157	35
08051E	5010N	2923-04274	90	FGGG	160	25	07952E	1429N	2934-03572	10	PFFF	153	50
08051E	4306N	2939-04172	0	FGGG	158	30	07951E	3559N	2920-04144	20	FGG	157	35
08050E	4306N	2921-04182	90	GGGG	158	30	07950E	4016N	2939-04181	0	PFFF	158	32
08049E	5259N	2942-04313	90	FG G	161	23	07950E	4014N	2903-04201	10	GGGG	158	32
08049E	3849N	2902-04145	10	FGGG	157	33	07950E	1428N	2916-03581	70	GGGF	153	50
08047E	5257N	2924-04323	30	GGGG	161	23	07949E	4016N	2921-04191	80	GGGG	158	32
08046E	3851N	2920-04135	50	FGFF	157	33	07948E	2013N	2899-04031	90	GGGG	154	46
08041E	0549N	2932-03482	50	GGGG	151	56	07948E	2013N	2917-04022	70	GGGG	154	46
08037E	2850N	2918-04053	70	GGGG	155	40	07940E	4723N	2941-04273	70	GGGG	160	27
08033E	1722N	2934-03563	60	GGGG	153	48	07937E	4721N	2923-04283	10	GGGG	160	27
08032E	2305N	2899-04022	70	GGGG	154	44	07937E	3016N	2919-04104	90	GFFG	156	39
08032E	2305N	2917-04013	90	GGFG	154	44	07931E	1303N	2934-03574	50	PGGF	153	51
08032E	1720N	2916-03572	80	GGGG	153	48	07930E	1302N	2916-03584	90	GFGG	153	51
08029E	4555N	2922-04231	20	GG	159	28	07929E	5550N	2944-04420	70	PGGG	163	21
08026E	3307N	2919-04095	90	GGFG	156	37	07927E	5011N	2942-04322	50	G G	161	25
08021E	3724N	2902-04151	0	FGGG	157	34	07927E	3432N	2902-04160	40	PGGF	157	36
08020E	5713N	2944-04413	40	G GG	163	20	07927E	1847N	2899-04034	90	GGGG	154	47
08020E	4141N	2939-04175	10	PFF	158	31	07927E	1847N	2917-04024	30	GGGF	154	47
08020E	4140N	2903-04194	40	GGGG	158	31	07926E	5544N	2926-04430	10	GGGG	163	21
08019E	4141N	2921-04184	90	GGGF	158	31	07926E	5008N	2924-04332	80	GGGG	161	25
08018E	3725N	2920-04142	10	FFFF	157	34	07925E	3433N	2920-04151	40	GGGG	157	36
08016E	4847N	2941-04270	90	GGGG	160	26	07924E	5302N	2943-04371	80	GGGG	162	23
08015E	5707N	2926-04423	10	GGGG	163	20	07924E	4306N	2922-04240	10	GGGG	159	30
08013E	4845N	2923-04280	90	FGGG	160	26	07923E	5256N	2925-04381	70	GGGG	162	23
08013E	2724N	2918-04055	80	GGGF	155	41	07922E	3849N	2903-04203	10	GGGG	158	33
08012E	1556N	2934-03565	80	FFFF	153	49	07921E	3851N	2939-04184	0	PFFF	158	33
08011E	1554N	2916-03575	70	FFFF	153	49	07921E	3850N	2921-04193	60	PGGF	158	33
08010E	2139N	2899-04025	90	GGGG	154	45	07913E	2850N	2919-04111	90	GFGG	156	40
08010E	2139N	2917-04015	80	GGFG	154	45	07911E	1136N	2934-03581	20	GGGF	153	52
08008E	5425N	2943-04364	90	GGGG	162	22	07910E	1135N	2916-03590	90	PFFF	153	52

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

07:04 SEP 15, '77

LANDSAT#2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0114

PRINCIPAL PT. OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY RSV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE LONG LAT	OBSERVATION ID	CC %	QUALITY RSV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
07907E 1721N	2899-04040	90	GGGG	154	48	07803E 2432N	2919-04122	90	FFFF	156	43
07906E 2305N	2918-04071	90	FGGP	155	44	07802E 5544N	2927-04484	10	GGGG	164	21
07905E 1720N	2917-04031	40	GGGF	154	48	07801E 5543N	2909-04494	10	GGGG	164	21
07904E 4558N	2941-04275	50	GGGG	160	28	07801E 5013N	2943-04380	0	FGGG	162	25
07902E 4556N	2923-04285	0	GGGG	160	28	07801E 5008N	2925-04390	80	GGGG	162	25
07901E 3307N	2902-04163	70	GGGF	157	37	07801E 1847N	2918-04082	90	GGGF	155	47
07900E 3307N	2920-04153	80	GGGG	157	37	07800E 3434N	2939-04195	10	GGGG	158	36
07854E 4143N	2940-04233	20	GGGG	159	31	07800E 3433N	2903-04215	30	GGGG	158	36
07854E 3723N	2903-04210	0	GGGG	158	34	07759E 4308N	2941-04284	40	GGGG	160	30
07853E 4141N	2922-04243	20	GGGG	159	31	07757E 5301N	2944-04425	80	GGGG	163	23
07853E 3726N	2939-04190	10	GGGG	158	34	07757E 4306N	2923-04294	20	GGGG	160	30
07853E 3725N	2921-04200	30	GGGF	158	34	07755E 5257N	2926-04435	30	GGGG	163	23
07850E 2725N	2919-04113	80	FGGF	156	41	07755E 3851N	2922-04252	10	FGGG	159	33
07848E 4844N	2924-04334	70	GGGG	161	26	07754E 3854N	2940-04242	10	FGGF	159	33
07846E 1555N	2899-04043	100	GGGG	154	49	07747E 2850N	2902-04174	60	GGGG	157	40
07844E 2139N	2918-04073	90	FGGG	155	45	07747E 2850N	2920-04165	90	GGGG	157	40
07842E 5426N	2944-04422	80	FGGG	163	22	07743E 1135N	2917-04045	60	GGGG	154	52
07842E 5138N	2943-04373	20	GGGG	162	24	07741E 2306N	2919-04125	80	GGGG	156	44
07840E 5132N	2925-04383	90	GGGG	162	24	07740E 1720N	2918-04085	90	GGFG	155	48
07839E 5421N	2926-04432	10	GGGG	163	22	07739E 4557N	2942-04333	10	GGGG	161	28
07835E 3141N	2902-04165	70	GGGG	157	38	07737E 4555N	2924-04343	0	FGGG	161	28
07835E 3141N	2920-04160	90	FFFF	157	38	07734E 3308N	2921-04211	50	GGGG	158	37
07831E 4433N	2941-04282	80	GGGG	160	29	07734E 3308N	2939-04202	30	GGGG	158	37
07829E 4431N	2923-04292	20	GGGG	160	29	07734E 3307N	2903-04221	70	GGGG	158	37
07827E 3600N	2921-04202	20	GGGG	158	35	07729E 5714N	2946-04525	100	GGGG	165	20
07827E 3558N	2903-04212	10	GGGG	158	35	07728E 4142N	2941-04291	30	GGGG	160	31
07826E 3601N	2939-04193	10	GGGG	158	35	07727E 4141N	2923-04301	20	GGGG	160	31
07825E 1429N	2899-04045	70	FGGG	154	50	07727E 3729N	2940-04244	30	GGFF	159	34
07823E 4019N	2940-04235	10	GGGG	159	32	07727E 3725N	2922-04254	10	GGGG	159	34
07823E 4016N	2922-04245	10	FGGG	159	32	07724E 5707N	2928-04540	10	FGGG	165	20
07822E 2013N	2918-04080	90	GGGG	155	46	07723E 4849N	2943-04382	10	GGGG	162	26
07813E 4722N	2942-04331	20	FGGG	161	27	07723E 4844N	2925-04392	20	GGGG	162	26
07811E 4719N	2924-04341	10	GGGG	161	27	07723E 2724N	2902-04181	50	GGGG	157	41
07811E 3016N	2920-04162	90	FGGG	157	39	07723E 2724N	2920-04171	90	FFFF	157	41
07811E 3015N	2902-04172	60	GGGG	157	39	07719E 2140N	2919-04131	90	FGGG	156	45
07805E 1303N	2899-04052	50	GGGG	154	51	07719E 1554N	2918-04091	80	FGFF	155	49

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G = GOOD, P = POOR, F = FAIR.

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LANDSAT#2
COORDINATE LISTING
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PAGE 0115

PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
07716E	5137N	2944-04431	60	GGGG	163	24	07629E	3850N	2923-04310	10	GGGG	160	33		
07715E	5420N	2927-04491	10	GGGG	164	22	07620E	2850N	2933-04213	10	GGGG	158	40		
07714E	5419N	2909-04500	10	GGGG	164	22	07620E	2849N	2903-04233	90	GGGG	158	40		
07713E	5132N	2926-04441	40	GGGG	163	24	07616E	1135N	2918-04103	80	FFFF	155	52		
07709E	3142N	2939-04204	20	GGGG	158	38	07615E	1721N	2919-04143	90	GGGG	156	48		
07708E	3141N	2903-04224	90	GGGG	158	38	07614E	2307N	2920-04183	90	GGGG	157	44		
07706E	4432N	2942-04340	10	FGGG	161	29	07614E	2305N	2902-04192	60	GGGG	157	44		
07703E	4430N	2924-04350	10	GGGG	161	29	07612E	4558N	2943-04391	0	GGGG	162	28		
07701E	3600N	2886-04280	30	GGGG	159	35	07612E	4554N	2925-04401	10	GGGG	162	28		
07700E	3602N	2940-04251	70	GGPP	159	35	07609E	3308N	2886-04285	80	FFFF	159	37		
07700E	2558N	2902-04183	50	GGGG	157	42	07608E	3310N	2940-04260	30	GGGG	159	37		
07700E	2558N	2920-04174	100	GGGG	157	42	07607E	3304N	2904-04275	90	GGGG	159	37		
07659E	3559N	2922-04261	20	GGGG	159	35	07602E	3725N	2923-04312	10	GGGG	160	34		
07658E	4017N	2941-04293	10	GGGG	160	32	07601E	4141N	2924-04355	10	GGGG	161	31		
07658E	4015N	2923-04303	30	GGGG	160	32	07601E	3727N	2941-04302	10	GGGG	160	34		
07658E	1428N	2918-04094	70	GGGF	155	50	07600E	4138N	2906-04364	30	GG	161	31		
07657E	2013N	2919-04134	80	GGGG	156	46	07556E	2724N	2903-04235	80	GGGG	158	41		
07647E	4724N	2943-04385	10	GGGG	162	27	07555E	4844N	2926-04450	50	GGGG	163	26		
07647E	4719N	2925-04395	10	GGGG	162	27	07554E	1555N	2919-04145	90	GGGF	156	49		
07644E	3016N	2939-04211	10	FFFF	158	39	07552E	5427N	2946-04534	90	GGGG	165	22		
07644E	3015N	2903-04230	70	GGGG	158	39	07552E	2139N	2902-04195	50	GGGG	157	45		
07639E	5551N	2946-04532	100	GGGG	165	21	07549E	5132N	2927-04500	10	GGGG	164	24		
07637E	2432N	2920-04180	100	GGGG	157	43	07547E	5420N	2928-04545	10	GGGG	165	22		
07637E	2431N	2902-04190	60	GGGG	157	43	07547E	5131N	2909-04505	20	GGGG	164	24		
07637E	1302N	2918-04100	70	GGGG	155	51	07543E	3144N	2940-04262	20	FGGG	159	38		
07636E	1847N	2919-04140	90	FGGF	156	47	07543E	3138N	2904-04282	100	GGGG	159	38		
07634E	5544N	2928-04842	10	GGGG	165	21	07541E	3142N	2922-04272	80	FGGG	159	38		
07634E	5008N	2926-04844	70	GGGG	163	25	07538E	4434N	2943-04394	0	GGGG	162	29		
07634E	3434N	2886-04282	20	GGGF	159	36	07538E	4430N	2925-04404	20	GGGG	162	29		
07633E	4307N	2942-04342	10	GGGG	161	30	07535E	3600N	2887-04334	30	FFFF	160	35		
07633E	3435N	2940-04253	50	GGGG	159	36	07535E	3600N	2923-04315	10	GGGG	160	35		
07632E	3430N	2904-04273	40	GGGG	159	36	07534E	3602N	2941-04305	10	GGGG	160	35		
07631E	5257N	2927-04493	20	GGGG	164	23	07533E	2558N	2903-04242	50	GGGG	158	42		
07631E	4305N	2924-04352	10	GGGG	161	30	07533E	1429N	2919-04152	90	GGGG	156	50		
07629E	5255N	2909-04503	20	GGGG	164	23	07531E	4015N	2924-04361	20	GGGG	161	32		
07629E	3852N	2941-04300	0	GGGG	160	33	07531E	2013N	2902-04201	40	GGGG	157	46		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

07:04 SEP 15, 177

LANDSAT#2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0116

PRINCIPAL PT. OF IMAGE	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER
07530E	4012N	2906-04371	10	GGGG	161	32	07432E	3721N	2906-04380	30	GGGG	161	34
07530E	2015N	2920-04192	90	GFGG	157	46	07432E	2725N	2886-04303	90	FFFG	159	41
07519E	4719N	2926-04453	20	GGGG	163	27	07431E	2726N	2940-04274	20	FFGG	159	41
07518E	3019N	2940-04265	20	PPFF	159	39	07430E	4844N	2927-04505	10	GGGG	164	26
07518E	3012N	2904-04284	90	GGGF	159	39	07430E	2721N	2904-04293	50	GGGG	159	41
07512E	1302N	2919-04154	90	FQGF	156	51	07429E	4843N	2909-04514	30	GGGG	164	26
07511E	2431N	2903-04244	50	GGGG	158	43	07427E	2140N	2903-04253	50	GGGG	158	45
07509E	5547N	2929-05000	10	GGGG	166	21	07427E	1556N	2920-04203	70	GGGG	157	49
07509E	5008N	2927-04502	10	GGGG	164	25	07426E	1554N	2902-04213	60	GGGG	157	49
07509E	3434N	2887-04340	40	FFFF	160	36	07425E	5139N	2946-04543	90	GGGG	165	24
07509E	1848N	2920-04194	80	FFFF	157	47	07422E	5424N	2929-05003	10	GGGG	166	22
07509E	1847N	2902-04204	50	GGGG	157	47	07421E	5132N	2928-04554	20	FQGG	165	24
07508E	5007N	2909-04812	20	GGGG	164	25	07418E	3143N	2887-04345	50	GGGG	160	38
07508E	3436N	2941-04311	20	GGGG	160	36	07417E	3143N	2941-04320	10	GGGG	160	38
07508E	3434N	2923-04321	20	GGGG	160	36	07416E	3142N	2923-04330	50	GGGG	160	38
07507E	5303N	2946-04841	50	GGGG	165	23	07416E	3138N	2905-04340	90	GGGF	160	38
07507E	3429N	2905-04331	90	GFGG	160	36	07411E	4430N	2926-04462	10	FFFG	163	29
07506E	4309N	2943-04400	0	GFGG	162	30	07409E	2559N	2886-04305	90	PPFF	159	42
07506E	4305N	2925-04410	30	FQGG	162	30	07408E	3600N	2942-04363	50	FGGG	161	35
07503E	5257N	2928-04551	10	GGGG	165	23	07407E	3558N	2924-04373	10	GGGG	161	35
07502E	3849N	2924-04364	40	GGGG	161	33	07407E	2555N	2904-04300	60	GGGG	159	42
07501E	3846N	2906-04373	50	FQFG	161	33	07406E	1429N	2920-04210	50	GGGG	157	50
07454E	2852N	2940-04271	10	FQGF	159	40	07406E	1428N	2902-04215	70	GGGP	157	50
07454E	2847N	2904-04251	30	GGGG	159	40	07405E	4015N	2925-04415	80	FQFG	162	32
07451E	1136N	2919-04161	50	FQGF	156	52	07405E	3555N	2906-04382	50	GGGG	161	35
07449E	2305N	2903-04251	70	GGGG	158	44	07405E	2014N	2903-04260	40	GGGG	158	46
07449E	1722N	2920-04201	70	GGGG	157	48	07354E	4719N	2927-04511	0	GGGG	164	27
07447E	1721N	2902-04210	60	GGGG	157	48	07354E	3017N	2887-04352	10	GGGG	160	39
07444E	4555N	2926-04455	10	GGGF	163	28	07353E	4718N	2909-04521	10	GGGG	164	27
07443E	3309N	2887-04343	50	GFGG	160	37	07352E	3015N	2923-04333	30	GGGF	160	39
07442E	3309N	2941-04314	10	GGGG	160	37	07352E	3012N	2905-04342	90	PPFF	160	39
07441E	3308N	2923-04324	80	GGGG	160	37	07345E	5014N	2946-04550	90	GGGG	165	25
07441E	3303N	2905-04333	90	FFGF	160	37	07345E	1303N	2920-04212	60	FFFF	157	51
07435E	4140N	2925-04413	70	FQF	162	31	07345E	1301N	2902-04222	80	FFFF	157	51
07434E	5710N	2930-05052	50	GGGG	167	20	07344E	2430N	2904-04302	70	GGGG	159	43
07434E	3724N	2924-04370	20	GGGG	161	34	07344E	1847N	2903-04262	40	GGGG	158	47

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT-2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0117

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV M82 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV M82 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG LAT						LONG LAT					
07343E 5547N	2930-05054	80	GGGG	167	21	07239E 2555N	2905-04354	90	GGGF	160	42
07343E 1848N	2921-04252	80	GGGG	158	47	07239E 2016N	2940-04294	70	GGGF	159	46
07342E 3434N	2942-04365	20	FGGG	161	36	07238E 4012N	2908-04483	30	GGGG	163	32
07341E 5008N	2928-04560	20	GGGG	165	25	07238E 2011N	2904-04314	60	GGGG	159	46
07340E 4305N	2926-04464	20	FFGG	163	30	07230E 4725N	2946-04555	0	GGGG	168	27
07340E 3433N	2924-04375	60	GGGG	161	36	07227E 4718N	2928-04565	10	GGGG	165	27
07339E 3429N	2906-04385	90	GGGG	161	36	07220E 2433N	2887-04370	80	GGGG	160	43
07337E 5300N	2929-05005	10	GGGG	166	23	07219E 2432N	2923-04351	90	GGFF	160	43
07337E 3847N	2907-04432	40	GGGG	152	33	07218E 1849N	2940-04301	20	GGGF	159	47
07330E 2851N	2887-04354	90	GGGG	160	40	07218E 1847N	2886-04330	80	FFFG	159	47
07329E 2849N	2923-04375	60	G GG	160	40	07217E 2429N	2905-04360	80	GGGF	160	43
07327E 2846N	2905-04345	50	GGGG	160	40	07217E 1845N	2904-04320	60	FFFF	159	47
07323E 2308N	2940-04285	90	GGGG	159	44	07216E 3433N	2925-04433	80	FFPP	162	36
07322E 2303N	2904-04305	60	GGGG	159	44	07215E 5011N	2929-05014	10	GGGG	166	25
07319E 4554N	2927-04514	0	GGGG	164	28	07215E 3430N	2907-04443	70	GGGG	162	36
07319E 4553N	2909-04523	0	GGGG	164	28	07214E 4304N	2927-04523	20	GGGG	164	30
07310E 4140N	2926-04471	50	FGGG	163	31	07214E 4303N	2909-04532	10	FFGF	164	30
07309E 3723N	2925-04424	10	FGGG	162	34	07211E 5259N	2930-05063	60	GGGG	167	23
07308E 4137N	2908-04481	40	GGGG	163	31	07211E 3848N	2926-04480	20	GGGG	163	33
07308E 3721N	2907-04434	10	GGGG	162	34	07209E 3847N	2908-04490	40	GGGG	163	33
07307E 4849N	2946-04552	40	GGGG	165	26	07200E 2847N	2906-04403	90	GGGG	161	40
07306E 2725N	2887-04361	90	GGGG	160	41	07157E 2307N	2887-04372	70	GGGG	160	44
07305E 2723N	2923-04342	80	GGGG	160	41	07156E 2306N	2923-04353	80	GGGG	160	44
07303E 4844N	2928-04563	20	GGGG	165	26	07155E 4600N	2946-04561	0	GGGG	165	28
07303E 2721N	2905-04351	80	GGCF	160	41	07154E 2303N	2905-04363	60	GGFG	160	44
07301E 2142N	2940-04292	90	GGGG	159	45	07152E 4554N	2928-04572	0	FFGG	165	28
07300E 2137N	2904-04311	60	GGGG	159	45	07150E 3307N	2925-04440	30	FFFF	162	37
07256E 5423N	2930-05061	70	GGGG	167	22	07149E 3305N	2907-04450	90	GGGG	162	37
07255E 5135N	2929-05012	20	GGGG	166	24	07143E 4138N	2909-04535	10	GGGG	164	31
07246E 4428N	2909-04530	0	FFGG	164	29	07142E 5709N	2932-05164	80	FFFG	169	20
07245E 4430N	2927-04520	0	GGGG	164	29	07142E 3723N	2926-04482	10	GGGG	163	34
07243E 2559N	2887-04363	80	GGGG	160	42	07141E 3721N	2908-04492	30	GGGG	163	34
07242E 3558N	2925-04431	30	FGGG	162	35	07137E 4846N	2929-05021	10	GGGG	166	26
07242E 2558N	2923-04344	90	GGFF	160	42	07137E 2721N	2906-04405	90	GGGG	161	41
07241E 3556N	2907-04441	30	GGGG	162	35	07135E 2141N	2887-04375	70	GGGG	160	45
07240E 4014N	2926-04473	20	FGGG	163	32	07134E 2140N	2923-04360	80	GGFG	160	45

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

07:04 SEP 15, '77

LANDSAT#2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0118

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
07132E	2137N	2905-04365	60	GGGF	160	45	06958E	3141N	2926-04500	40	FGGG	163	38
07129E	5135N	2930-05070	70	GGGG	167	24	06954E	4432N	2929-05032	40	GGGG	166	29
07125E	3141N	2925-04442	30	PFFF	162	38	06950E	2557N	2925-04460	70	GGGG	162	42
07124E	3139N	2907-04452	90	GGGG	162	38	06949E	3557N	2909-04553	10	GGGG	164	35
07121E	4435N	2546-04564	0	GGGG	165	29	06949E	2600N	2943-04450	50	GGGG	162	42
07119E	4429N	2928-04574	10	GGGG	165	29	06949E	2556N	2907-04470	50	PFFF	162	42
07115E	3558N	2926-04485	10	FGGG	163	35	06947E	4013N	2928-04590	20	PFGG	165	32
07114E	3557N	2908-04495	20	GGGG	163	35	06946E	2010N	2906-04430	60	GGG	161	46
07114E	2555N	2906-04412	90	GGGG	161	42	06938E	4723N	2876-05110	0	FGGF	167	27
07114E	2014N	2887-04381	80	GGGG	160	46	06936E	4718N	2912-05091	10	GGGG	167	27
07113E	4012N	2909-04541	10	GGGG	164	32	06934E	3014N	2926-04503	30	GGGG	163	39
07112E	2014N	2923-04362	80	FFFF	160	46	06927E	2434N	2943-04453	60	GGGG	162	43
07111E	2010N	2500-04372	70	GGFF	160	46	06927E	2432N	2925-04463	90	GGGG	162	43
07101E	4722N	2929-05023	50	GGGG	166	27	06922E	5542N	2915-05234	10	GGGG	170	21
07059E	3013N	2907-04455	90	GGGG	162	39	06922E	4307N	2929-05035	10	GGGF	166	30
07052E	1847N	2887-04384	60	GGGG	160	47	06922E	3431N	2909-04555	10	PFFF	164	36
07051E	2429N	2906-04414	90	GGGG	161	43	06920E	5259N	2932-05175	60	GGGG	169	23
07051E	1848N	2923-04365	60	GGGG	160	47	06910E	2848N	2926-04505	10	GGGF	163	40
07049E	5011N	2930-05072	60	GGGG	167	25	06903E	4558N	2876-05112	0	FGGF	167	28
07049E	4310N	2946-04570	0	GGGG	165	30	06901E	4553N	2912-05094	10	GGGG	167	28
07048E	4304N	2928-04581	20	GGGG	165	30	06856E	3306N	2909-04562	10	PFGG	164	37
07048E	3433N	2926-04491	20	FGGG	163	36	06851E	4142N	2929-05041	10	GGGG	166	31
07048E	3431N	2908-04501	30	GGGG	163	36	06851E	3723N	2928-04595	0	FGGF	165	34
07044E	3847N	2909-04544	10	GGGG	164	33	06849E	5709N	2934-05280	50	PFGG	171	20
07035E	2847N	2907-04461	20	GGGG	162	40	06849E	5706N	2916-05290	10	GGGG	171	20
07029E	2303N	2906-04421	90	GGGG	161	44	06846E	2723N	2926-04512	40	GGGF	163	41
07027E	4557N	2929-05030	30	GGGG	166	28	06846E	2721N	2908-04522	20	PFFF	163	41
07023E	3307N	2926-04494	50	GGGG	163	37	06842E	2137N	2907-04482	80	GGGG	162	45
07018E	4145N	2946-04573	0	GGGG	165	31	06838E	5134N	2932-05182	10	GGGG	169	24
07017E	4139N	2928-04583	40	GGGG	165	31	06835E	5418N	2915-05241	40	GGGG	170	22
07016E	3723N	2909-04550	10	GGGG	164	34	06832E	3139N	2909-04564	10	GGGG	164	30
07013E	2723N	2925-04454	50	PFGP	162	41	06830E	4434N	2876-05115	0	PFGP	167	29
07012E	4846N	2930-05075	50	GGGG	167	26	06828E	4429N	2912-05100	0	PFGG	167	29
07012E	2721N	2907-04464	20	GGGG	162	41	06823E	3556N	2910-05011	0	GGGG	165	35
07007E	2137N	2906-04423	90	GGGG	161	45	06823E	2557N	2926-04514	40	GGGF	163	42
07005E	5422N	2932-05173	50	GGGG	169	22	06823E	2556N	2908-04524	10	PFGP	163	42

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT#2
COORDINATE LISTING
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PAGE 0119

PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
06821E	4017N	2929-05044	0	GGGF	166	32	06634E	2430N	2927-04575	40	GGGG	164	43		
06807E	3014N	2909-04571	20	GGGG	164	39	06633E	3438N	2875-05090	0	FFGG	166	36		
06800E	2431N	2926-04521	70	GGGG	163	43	06632E	5543N	2917-05351	10	GGGG	172	21		
06759E	5546N	2934-05283	80	FGGG	171	21	06632E	5010N	2933-05243	10	FGGF	170	25		
06759E	5543N	2916-05293	10	GGGG	171	21	06631E	3431N	2911-05071	0	FGGF	166	36		
06759E	2430N	2908-04531	20	FFFF	163	43	06630E	5545N	2935-05341	30	GGGG	172	21		
06757E	3430N	2910-05013	0	GGGG	165	36	06630E	4305N	2913-05161	40	GGGG	168	30		
06756E	4307N	2930-05093	10	GGGG	167	30	06629E	5007N	2915-05252	30	FGGG	170	25		
06750E	5254N	2915-05243	60	GGGG	170	23	06627E	5258N	2934-05292	80	FGGG	171	23		
06743E	2847N	2909-04573	10	GGGG	164	40	06627E	5255N	2916-05302	80	GGGG	171	23		
06738E	2305N	2926-04523	60	GGGF	163	44	06627E	3849N	2912-05114	0	GGGG	167	33		
06737E	2303N	2908-04533	50	FFGG	163	44	06619E	2847N	2910-05031	0	GGGF	165	40		
06732E	3305N	2910-05020	10	GGGG	165	37	06618E	2848N	2928-05022	10	FFGF	165	40		
06731E	3306N	2928-05010	0	FGGF	165	37	06612E	2303N	2909-04591	20	FFFF	164	44		
06725E	4142N	2930-05095	0	GGGG	167	31	06608E	3312N	2875-05093	0	FFGG	166	37		
06720E	2721N	2909-04580	10	GGGG	164	41	06605E	3309N	2929-05064	0	FGGF	166	37		
06719E	4844N	2914-05201	40	GGGG	169	26	06605E	3305N	2911-05074	0	FFGF	166	37		
06716E	2138N	2926-04530	50	GGGG	163	45	06559E	4140N	2913-05163	20	FFGF	168	31		
06712E	5422N	2934-05285	90	FGGF	171	22	06559E	3723N	2912-05121	0	GGFG	167	34		
06712E	5419N	2916-05295	30	GGGG	171	22	06558E	5710N	2936-05392	80	GGGG	173	20		
06712E	5134N	2933-05240	10	FFGF	170	24	06557E	5706N	2918-05402	50	GGGG	173	20		
06708E	5130N	2915-05250	70	GGGG	170	24	06555E	2722N	2910-05034	0	GGGG	165	41		
06707E	3139N	2910-05022	0	GGGG	165	38	06554E	4845N	2933-05245	0	FGGF	170	26		
06706E	3140N	2928-05013	0	FFFF	165	38	06554E	2722N	2928-05024	0	FFFF	165	41		
06659E	3604N	2875-05084	0	GGGG	166	35	06551E	4842N	2915-05255	20	GGGG	170	26		
06658E	3600N	2929-05055	0	GGGG	166	35	06550E	2137N	2909-04594	90	GGGG	164	45		
06657E	3556N	2911-05065	0	GGGG	166	35	06545E	5420N	2917-05353	0	GGGF	172	22		
06657E	2556N	2927-04573	40	GGGG	164	42	06545E	5134N	2934-05294	70	GGFG	171	24		
06657E	2555N	2909-04582	10	GGGG	164	42	06545E	5131N	2916-05304	90	GGFG	171	24		
06655E	4014N	2912-05112	0	GGGG	167	32	06543E	5422N	2935-05343	20	GGGG	172	22		
06654E	2012N	2926-04532	50	GGGG	163	46	06542E	3145N	2875-05095	0	FFGG	166	38		
06644E	4721N	2932-05193	10	FFFF	169	27	06540E	3143N	2929-05071	0	PPPP	166	38		
06643E	4720N	2914-05203	10	GGG	169	27	06540E	3139N	2911-05080	0	GGGF	166	38		
06643E	3013N	2910-05025	0	GGGG	165	39	06537E	4432N	2932-05202	0	GGGG	169	29		
06642E	3014N	2928-05015	0	FFFF	165	39	06533E	3601N	2876-05142	0	PPPP	167	35		
06635E	2429N	2909-04585	10	FFFF	164	43	06532E	3557N	2912-05123	0	GGGG	167	35		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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COORDINATE LISTING
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PAGE 0120

PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MBS	ORBIT PATH	FRAME ROW	PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MBS	ORBIT PATH	FRAME ROW
					12345678	NUMBER	NUMBER						12345678	NUMBER	NUMBER
06532E	2556N	2910-05040	0	GGGF	165	42	06426E	4844N	2898-05323	30	GG	171	26		
06531E	2556N	2928-05031	0	FFFF	165	42	06424E	2138N	2910-05052	40	GGGF	165	45		
06530E	4015N	2913-05170	0	FFGF	168	32	06421E	5423N	2936-05401	20	GGGG	173	22		
06529E	2011N	2909-05000	90	GGGG	164	46	06420E	5420N	2918-05411	60	GGGG	173	22		
06518E	4721N	2933-05252	0	FGGF	170	27	06419E	5131N	2917-05362	10	FFFF	172	24		
06518E	3019N	2875-05102	0	FG G	166	39	06418E	5134N	2935-05352	20	GGGG	172	24		
06516E	3017N	2929-05073	0	FFFF	166	39	06415E	3143N	2876-05153	0	FGGF	167	38		
06516E	3013N	2911-05083	0	FFFF	166	39	06415E	3140N	2912-05135	0	GGGG	167	38		
06515E	4717N	2915-05261	10	GGGG	170	27	06410E	4432N	2933-05261	0	GGGP	170	29		
06509E	2430N	2910-05043	10	GFGF	165	43	06407E	4427N	2915-05270	10	GGGG	170	29		
06508E	5547N	2936-05395	60	GGGF	173	21	06406E	3559N	2913-05181	0	GGGG	168	35		
06507E	5543N	2918-05405	50	GGGG	173	21	06406E	2600N	2875-05113	20	FFGF	166	42		
06507E	3435N	2876-05144	0	PPPP	167	36	06406E	2559N	2929-05085	20	GGFF	166	42		
06506E	3431N	2912-05130	0	GGGG	167	36	06405E	2556N	2911-05094	10	GGGF	166	42		
06505E	5009N	2934-05301	30	FGGG	171	25	06403E	4015N	2914-05224	0	FFGG	169	32		
06505E	5008N	2916-05311	90	GGGG	171	25	06357E	5831N	2920-05512	80	GGGG	175	19		
06501E	5256N	2917-05360	0	FFGF	172	23	06356E	5832N	2938-05502	90	GGGG	175	19		
06501E	3849N	2913-05172	0	GGGF	168	33	06351E	4721N	2934-05310	0	FGGG	171	27		
06489E	5258N	2935-05350	10	GGGG	172	23	06351E	4718N	2916-05320	10	GGGF	171	27		
06454E	2852N	2875-05104	10	GFGG	166	40	06351E	3014N	2912-05141	0	GGGG	167	39		
06452E	2852N	2929-05080	10	GFGF	166	40	06350E	4719N	2898-05325	10	GGGG	171	27		
06452E	2848N	2911-05085	10	GGGG	166	40	06350E	3016N	2876-05160	0	PPPP	167	39		
06447E	2304N	2910-05045	20	GGGF	165	44	06343E	2434N	2875-05120	20	FFGF	166	43		
06443E	4554N	2933-05254	0	GGGF	170	28	06343E	2433N	2929-05091	80	GGGF	166	43		
06441E	4552N	2915-05264	10	GGGG	170	28	06343E	2431N	2911-05101	60	GGGF	166	43		
06441E	3309N	2876-05151	0	FGGF	167	37	06341E	5544N	2919-05463	60	GGGG	174	21		
06440E	3306N	2912-05132	0	GGGG	167	37	06340E	5546N	2937-05453	90	FFGG	174	21		
06434E	4142N	2932-05211	0	FFFF	169	31	06340E	5007N	2917-05365	60	FFGG	172	25		
06433E	3724N	2913-05175	0	GGGG	168	34	06340E	3432N	2913-05184	0	GGGG	168	36		
06431E	5708N	2919-05460	50	GGGG	174	20	06338E	5010N	2935-05355	30	GGGG	172	25		
06430E	2726N	2875-05111	10	GGGF	166	41	06337E	4308N	2933-05263	0	GGGF	170	30		
06429E	5710N	2937-05450	90	FGGG	174	20	06336E	5259N	2936-05404	10	GGGG	173	23		
06429E	2725N	2929-05082	20	FGGF	166	41	06336E	3850N	2932-05220	0	GGGP	169	33		
06428E	2722N	2911-05092	10	FGGF	166	41	06335E	5256N	2918-05414	40	GG	173	23		
06427E	4845N	2934-05303	10	FFFF	171	26	06335E	4302N	2915-05273	10	GGGG	170	30		
06427E	4843N	2916-05313	60	GGFF	171	26	06334E	3849N	2914-05230	0	GGGF	169	33		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER
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COORDINATE LISTING
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PAGE 0121

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSG 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSG 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
06326E	2849N	2876-05162	10	FFFF	167	40	06224E	3016N	2913-05195	10	FGGF	168	39
06326E	2849N	2912-05144	10	FGGF	167	40	06217E	2431N	2876-05174	40	PPFF	167	43
06320E	2307N	2929-05094	90	GGFF	166	44	06214E	5010N	2936-05413	10	GGGG	173	25
06320E	2304N	2911-05103	50	GGGF	166	44	06213E	5546N	2938-05511	70	GGGG	175	21
06317E	4556N	2934-05312	0	FGGG	171	28	06213E	5544N	2920-05521	40	GGGG	175	21
06316E	4553N	2916-05322	10	GGFG	171	28	06213E	5008N	2918-05423	10	GGGG	173	25
06315E	4554N	2898-05332	10	GGGG	171	28	06213E	3433N	2914-05242	10	GGGG	169	36
06314E	3306N	2913-05190	0	FGGG	168	37	06212E	4306N	2934-05321	0	FFGF	171	30
06307E	3725N	2932-05223	0	FFGP	169	34	06211E	4304N	2916-05331	0	FFFF	171	30
06306E	4143N	2933-05270	0	FFFF	170	31	06210E	4304N	2898-05341	40	GGGG	171	30
06306E	3725N	2914-05233	0	GGGG	169	34	06209E	5257N	2919-05472	60	GGGG	174	23
06304E	4137N	2915-05275	0	GGGG	170	31	06208E	5258N	2937-05462	70	GGGG	174	23
06303E	5709N	2938-05505	80	GGGG	175	20	06208E	3851N	2933-05275	0	G3GF	170	33
06303E	5708N	2920-05514	30	GGGG	175	20	06205E	3846N	2915-05284	0	GGGG	170	33
06303E	2723N	2912-05150	10	GGGG	167	41	06200E	2849N	2913-05202	10	FGGF	168	40
06302E	4843N	2917-05371	50	FGGF	172	26	06155E	2304N	2876-05150	20	PPFF	167	44
06302E	2724N	2876-05165	20	FFFF	167	41	06151E	4555N	2899-05390	10	FGGG	172	28
06258E	2141N	2929-05100	90	PPPP	166	45	06151E	4554N	2917-05380	10	GGGG	172	28
06258E	2139N	2911-05110	50	FFFF	166	45	06148E	3309N	2932-05234	10	FFGP	169	37
06254E	7134N	2936-05410	10	GGGG	173	24	06147E	3308N	2914-05244	0	GGGF	169	37
06253E	5423N	2937-05455	70	GGGG	174	22	06141E	5713N	2939-05563	90	GGGG	176	20
06253E	5420N	2919-05465	80	GG	174	22	06141E	4138N	2916-05334	0	FFFF	171	31
06253E	5132N	2918-05420	20	GG	173	24	06140E	4141N	2934-05324	0	FGGG	171	31
06249E	3141N	2913-05193	0	FGGG	168	38	06140E	4139N	2893-05343	20	GGGG	171	31
06244E	4432N	2934-05315	0	FGGG	171	29	06138E	5708N	2921-05573	60	GGGG	176	20
06243E	4428N	2916-05325	0	FFGF	171	29	06138E	3721N	2915-05291	0	GGGG	170	34
06242E	4429N	2898-05334	10	GGGG	171	29	06137E	4845N	2936-05415	20	GGGG	173	26
06240E	3600N	2932-05225	0	PGFP	169	35	06136E	2724N	2913-05204	0	FGGF	168	41
06239E	3559N	2914-05235	10	GGGG	169	35	06135E	4844N	2918-05425	0	GGG	173	26
06239E	2557N	2876-05171	40	GGGF	167	42	06127E	5132N	2919-05474	60	GGGG	174	24
06236E	4017N	2933-05272	0	FGGF	170	32	06126E	5422N	2938-05514	70	GGGG	175	22
06235E	5835N	2939-05560	90	GGGG	176	19	06126E	5420N	2920-05529	20	GGGG	175	22
06234E	4012N	2915-05282	0	GGGG	170	32	06126E	5134N	2937-05464	80	GGGG	174	24
06231E	5831N	2921-05670	40	GGGG	176	19	06123E	3142N	2932-05241	20	PPFF	169	38
06225E	4720N	2899-05383	10	GGGG	172	27	06122E	3142N	2914-05251	10	GGGG	169	38
06225E	4718N	2917-05374	10	GGGG	172	27	06118E	4430N	2899-05392	30	FGGG	172	29

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER
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COORDINATE LISTING
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PAGE 0122

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSG 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSG 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
06117E	4429N	2917-05383	10	GGGG	172	29	06004E	5425N	2939-05572	80	GGGG	176	22
06113E	2558N	2913-05211	30	FFFF	168	42	06001E	5420N	2921-05582	70	GGGG	176	22
06111E	4013N	2898-05350	10	GGGG	171	32	06000E	5134N	2938-05523	80	GGGG	175	24
06111E	3556N	2915-05293	0	GGGG	170	35	06000E	5133N	2920-05532	40	GGGG	175	24
06110E	4016N	2934-05330	10	FFGG	171	32	05957E	3143N	2933-05295	0	FFFF	170	38
06107E	5831N	2922-06024	10	GGGG	177	19	05955E	3138N	2915-05305	0	GGGG	170	38
06104E	5834N	2940-06014	90	GGFF	177	19	05951E	4429N	2918-05441	10	GGFF	173	29
06059E	4719N	2918-05432	0	GGGF	173	27	05948E	2558N	2914-05265	10	GGGF	169	42
06058E	3016N	2914-05253	0	GGGG	169	39	05947E	3600N	2934-05342	0	FFGG	171	35
06051E	3549N	2939-05565	70	GGGG	176	21	05947E	3557N	2916-05352	0	GGGG	171	35
06050E	2432N	2913-05213	50	FFFF	168	43	05947E	2559N	2932-05255	70	FFGP	169	42
06048E	5544N	2921-05575	50	GGGG	176	21	05946E	4014N	2899-05404	0	GGGF	172	32
06048E	3434N	2933-05290	0	FFGF	170	36	05945E	4013N	2917-05354	0	FFFF	172	32
06047E	5008N	2919-05481	30	GGGG	174	25	05933E	4719N	2919-05490	10	GGGF	174	27
06046E	5009N	2937-05471	30	GGGG	174	25	05930E	3013N	2915-05311	0	GGGG	170	39
06044E	4304N	2899-05395	70	GGGG	172	30	05925E	2433N	2914-05271	10	GGGF	169	43
06045E	4304N	2917-05385	0	GGGG	172	30	05924E	5545N	2922-06033	10	GGGG	177	21
06045E	430N	2915-05300	0	GGGG	170	36	05921E	5547N	2940-06023	100	PPFG	177	21
06042E	58N	2938-05620	50	GGGG	175	23	05921E	3434N	2934-05344	0	GGGG	171	36
06042E	57N	2920-05530	10	GGGG	175	23	05921E	3430N	2898-05364	10	G	171	36
06042E	3848N	2916-05343	0	FFFF	171	33	05921E	3430N	2916-05354	0	GGGG	171	36
06041E	3850N	2934-05333	0	FFGG	171	33	05920E	5009N	2938-05525	40	GGGG	175	25
06034E	2850N	2914-05260	0	GGGG	169	40	05920E	5008N	2920-05535	20	GGGG	175	25
06028E	2306N	2913-05220	40	FFFF	168	44	05919E	5301N	2939-05574	100	GGGG	176	23
06025E	4554N	2918-05434	10	FFFF	173	28	05918E	4304N	2918-05443	20	FFFF	173	30
06022E	3308N	2933-05293	0	FFFF	170	37	05916E	5257N	2921-05584	70	GGGG	176	23
06020E	3304N	2915-05302	0	GGGG	170	37	05916E	3848N	2917-05401	0	GGGG	172	33
06015E	4139N	2899-05401	20	FFGG	172	31	05906E	2847N	2915-05314	0	GGGG	170	40
06014E	5708N	2922-06031	10	GGGG	177	20	05858E	4555N	2919-05492	0	FFFF	174	28
06014E	4138N	2917-05392	0	GGGG	172	31	05856E	3308N	2934-05351	0	GGGG	171	37
06014E	3725N	2934-05335	0	FFGF	171	34	05855E	3305N	2898-05370	10	GGGG	171	37
06014E	3722N	2916-05345	0	FFFF	171	34	05855E	3305N	2916-05361	0	GGFF	171	37
06011E	5711N	2940-06021	100	GGGG	177	20	05849E	3723N	2899-05413	0	GGGF	172	34
06010E	2725N	2914-05262	0	GGGF	169	41	05848E	3722N	2917-05403	0	GGGG	172	34
06009E	4844N	2919-05483	10	GGGF	174	26	05847E	4139N	2918-05450	30	GGGG	173	31
06008E	4845N	2937-05473	10	GGGG	174	26	05843E	2722N	2915-05320	0	GGGG	170	41

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT-2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0123

PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSG 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSG 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
05842E	4845N	2938-05532	30	GGGG	175	26	05722E	4139N	2919-05504	10	GGGG	174	31		
05837E	5137N	2939-05581	100	GGGG	176	24	05720E	5710N	2942-06133	40	GGG	179	20		
05836E	5422N	2922-06040	10	GGGG	177	22	05719E	4848N	2939-05590	80	GGGG	176	25		
05834E	5424N	2940-06030	100	GPFG	177	22	05719E	2726N	2934-05365	20	GGGG	171	41		
05834E	5133N	2921-05591	10	GGGG	176	24	05718E	5707N	2924-06143	20	GGGG	179	20		
05831E	3142N	2934-05353	0	GGGF	171	38	05718E	2722N	2916-05375	10	FFGF	171	41		
05831E	3139N	2916-05363	0	FFFF	171	38	05717E	2722N	2898-05384	10	GGGF	171	41		
05830E	3139N	2898-05373	10	FFFF	171	38	05716E	4844N	2921-06000	10	GGGG	176	26		
05825E	4430N	2919-05495	0	FFFF	174	29	05709E	5423N	2941-06084	60	GGGG	178	21		
05822E	3558N	2899-05415	0	GGGG	172	35	05709E	5421N	2923-06094	10	GGGG	178	22		
05822E	3556N	2917-05410	0	GGGG	172	35	05709E	5134N	2922-06045	10	GGGG	177	24		
05821E	2559N	2933-05313	40	FFGP	170	42	05708E	5136N	2940-06035	90	GGGG	177	24		
05820E	2556N	2915-05323	10	GGGG	170	42	05705E	3139N	2917-05421	0	GGGG	172	38		
05818E	4014N	2918-05452	50	GGFF	173	32	05658E	4430N	2920-05553	10	FFFF	175	29		
05814E	5833N	2942-06130	80	GGGG	179	19	05656E	3557N	2918-05464	50	GGGF	173	35		
05812E	5830N	2924-06140	10	GGGG	179	19	05653E	4014N	2919-05510	10	GGFG	174	32		
05807E	3017N	2934-05360	0	GGGG	171	39	05642E	4723N	2939-05592	50	GGGG	176	27		
05806E	4719N	2920-05844	20	GGGG	175	27	05641E	4719N	2903-06012	10	GGGG	176	27		
05806E	3013N	2916-05370	0	FFFF	171	39	05641E	3014N	2917-05424	0	GGGG	172	39		
05805E	3014N	2898-05375	10	GGGG	171	39	05640E	4720N	2921-06002	10	GGGF	176	27		
05757E	5013N	2939-05583	90	GGGG	176	25	05631E	3432N	2918-05470	30	GGGF	173	36		
05756E	5547N	2941-06081	60	GGGG	178	21	05629E	5009N	2922-06051	10	GGGG	177	25		
05756E	5544N	2923-06091	20	GGG	178	21	05628E	5544N	2924-06145	50	GGGG	179	21		
05756E	3432N	2899-05422	0	GGGF	172	36	05628E	5011N	2940-06041	30	GGGG	177	25		
05755E	3431N	2917-05412	0	GGGG	172	36	05625E	5259N	2941-06090	60	GGGF	178	23		
05754E	5008N	2921-05593	10	GGGG	176	25	05625E	5257N	2923-06100	10	GGGG	178	23		
05753E	4305N	2919-05501	10	GGGG	174	30	05624E	3848N	2919-05513	30	GGGF	174	33		
05751E	5258N	2922-06042	10	GGGG	177	23	05617E	2848N	2917-05430	10	GGGG	172	40		
05750E	5300N	2940-06032	90	FFPF	177	23	05608E	4558N	2939-05595	70	GGGG	176	28		
05750E	3848N	2918-05455	80	GGGF	173	33	05605E	4555N	2921-06095	10	GGGG	176	28		
05743E	2852N	2934-05362	10	GGG	171	40	05605E	4554N	2903-06014	10	GGGG	174	28		
05741E	2848N	2898-05382	0	GGGF	171	40	05605E	3306N	2918-05473	20	GGGG	173	37		
05731E	4555N	2920-05550	10	GGGG	175	28	05556E	4138N	2902-05572	10	GGGG	175	31		
05730E	3306N	2899-05424	0	FFFF	172	37	05556E	3723N	2919-05515	50	GGGG	174	34		
05730E	3305N	2917-05415	0	GGGG	172	37	05553E	2722N	2917-05433	10	GGGF	172	41		
05723E	3723N	2918-05461	60	GGGF	173	34	05551E	4845N	2922-06054	20	GGGG	177	26		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BL - BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT#2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0124

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG LAT			12345678			LONG LAT			12345678		
05550E 4847N	2940-06044	10	GGGG	177	26	05430E 4138N	2903-06030	10	GGGG	176	31
05543E 5423N	2942-06142	100	GGGG	179	22	05430E 3724N	2920-05573	40	GGFF	175	34
05543E 5135N	2941-06093	40	GGGG	178	24	05430E 3722N	2902-05583	10	GGGF	175	34
05542E 5132N	2923-06103	30	FGGG	178	24	05429E 4140N	2921-06020	20	FFFF	176	31
05541E 5420N	2924-06152	20	GGGG	179	22	05427E 5707N	2926-06255	10	PPGG	181	20
05539E 3140N	2918-05475	10	FFGG	173	38	05426E 4846N	2941-06102	30	GGGG	178	24
05535E 4434N	2939-06001	60	GGGG	176	29	05426E 2723N	2918-05491	10	GGGG	173	41
05532E 4430N	2921-06011	40	FGGF	176	29	05425E 4844N	2923-06112	50	GGFG	178	26
05532E 4429N	2903-06021	10	GGGG	176	29	05417E 5420N	2925-06210	10	GGGG	180	22
05529E 3558N	2919-05522	30	FFGG	174	35	05416E 5425N	2943-06200	30	GGGG	180	22
05526E 4014N	2920-05564	10	GGGF	175	32	05416E 5135N	2942-06151	100	GGGG	179	24
05526E 4013N	2902-05574	10	FGGF	175	32	05415E 5133N	2924-06161	10	GGGG	179	24
05521E 5830N	2926-06253	10	FGGG	181	19	05413E 3141N	2937-05523	0	GGGG	174	38
05517E 4723N	2886-06075	40	FGGG	177	27	05412E 3141N	2919-05533	10	FGGG	174	38
05514E 4722N	2940-06050	10	GGGF	177	27	05408E 4432N	2886-06084	90	FGGF	177	29
05514E 4720N	2922-06060	40	GGGG	177	27	05407E 4433N	2940-06055	40	GGGF	177	29
05514E 4719N	2904-06070	20	GGGG	177	27	05407E 4431N	2922-06065	60	GGGG	177	29
05514E 3014N	2918-05482	10	FGGF	173	39	05407E 4430N	2904-06075	10	FFFF	177	29
05504E 5543N	2925-06203	10	GGGG	180	21	05403E 3558N	2920-05580	30	GGFG	175	38
05503E 5548N	2943-06193	30	FGGF	180	21	05402E 3557N	2902-05590	10	FGGF	175	38
05503E 5011N	2941-06095	20	FGGF	178	25	05350E 4720N	2905-06124	50	FGGF	178	27
05503E 5008N	2923-06105	50	GGGF	178	25	05349E 4719N	2923-06114	70	GGGG	178	27
05503E 4308N	2939-06004	20	GGGG	176	30	05348E 3015N	2937-05530	0	GGGG	174	39
05503E 3432N	2919-05524	40	FGGG	174	36	05337E 5543N	2926-06262	10	PPGG	181	21
05500E 4305N	2921-06014	10	GGGG	176	30	05336E 5010N	2942-06153	100	GGGG	179	28
05500E 4303N	2903-06023	30	GGGG	176	30	05336E 4307N	2886-06091	90	FGGF	177	30
05459E 5259N	2942-06144	100	PPGG	179	23	05335E 5008N	2924-06163	40	GGGG	179	28
05458E 3849N	2920-05571	10	FGFF	175	33	05335E 4305N	2922-06072	30	GGGG	177	30
05457E 5256N	2924-06154	10	GGGG	179	23	05335E 4304N	2904-06081	10	GGGG	177	30
05457E 3847N	2902-05581	10	FFFF	175	33	05334E 4308N	2940-06062	30	GGGF	177	30
05450E 2848N	2918-05484	0	GGGG	173	40	05333E 5257N	2925-06212	10	GGGG	180	29
05440E 4557N	2940-06053	10	GGGF	177	28	05332E 5301N	2943-06202	30	GGFG	180	29
05440E 4556N	2922-06063	70	FFFF	177	28	05331E 3849N	2921-06025	10	GGG	176	33
05439E 4555N	2904-06072	30	PPFF	177	28	05316E 4537N	2887-06140	20	GGGG	178	25
05437E 3307N	2919-05531	40	GGGG	174	37	05315E 4555N	2905-06130	80	PPFG	178	28
05437E 3307N	2937-05521	0	GGGG	174	37	05314E 4554N	2923-06121	90	GGFF	178	28

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

07:04 SEP 15, '77

LANDSAT
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0125

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RSV MCS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RSV MCS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG LAT						LONG LAT					
05311E 3307N	2920-05585	20	GGGG	175	37	05138E 5709N	2928-06371	10	GGGG	183	20
05305E 4140N	2922-06074	40	FFFF	177	31	05137E 3726N	2940-06080	100	GGFG	177	34
05305E 4139N	2904-06084	30	FFGG	177	31	05133E 4848N	2943-06214	10	GGGF	180	26
05304E 3724N	2921-06032	10	GGG	176	34	05132E 4844N	2925-06224	10	GGGG	180	26
05303E 5710N	2927-06313	10	GGGG	182	20	05126E 5423N	2927-06322	0	GGGG	182	22
05303E 4142N	2940-06044	20	GGGF	177	31	05125E 5132N	2926-06273	10	GGFG	181	24
05300E 5705N	2909-06323	70	GGGG	182	20	05123E 5418N	2909-06332	90	GGGG	182	22
05258E 4846N	2942-06160	80	GGGG	179	26	05120E 3141N	2921-06050	0	GGGG	176	38
05257E 4844N	2924-06170	30	GGGG	179	26	05115E 4427N	2906-06191	0	GGFG	179	29
05251E 5137N	2943-06205	20	GGGF	180	24	05112E 3559N	2922-06092	10	GGGG	177	35
05250E 5420N	2926-06264	10	FFGG	181	22	05056E 4719N	2925-06230	10	FFFF	180	27
05250E 5132N	2925-06215	10	GGGG	180	24	05056E 4716N	2907-06240	70	GGGG	180	27
05246E 3142N	2920-05891	0	GGGG	175	38	05055E 3016N	2921-06052	0	GGGG	176	39
05243E 4432N	2887-06142	20	GGGG	178	29	05046E 3433N	2922-06095	10	GGFG	177	36
05242E 4430N	2905-06133	90	FGGG	178	29	05045E 5008N	2924-06280	10	GGFG	181	25
05240E 4430N	2923-06123	70	GG F	178	29	05043E 4301N	2906-06194	10	FFFF	179	30
05237E 3558N	2921-06034	10	GGGG	176	35	05041E 5259N	2927-06325	10	GGGG	182	23
05233E 5837N	2946-06355	90	GGGG	183	19	05039E 5254N	2909-06334	80	GGGG	182	23
05232E 5832N	2928-06365	10	GGGG	183	19	05022E 4551N	2907-06243	90	GGGG	180	28
05223E 4717N	2906-06182	0	GGGF	179	27	05020E 3307N	2922-06101	10	GGGG	177	37
05221E 3016N	2920-05894	10	GGGG	175	39	05014E 3723N	2923-06144	60	GGFG	178	34
05212E 5546N	2927-06320	0	GGGG	182	21	05011E 3725N	2941-06134	50	GGGG	178	34
05211E 5012N	2943-06211	20	FGFF	180	25	05007E 4843N	2926-06282	20	GGGG	181	26
05210E 5542N	2909-06325	80	GGGG	182	21	04959E 5135N	2927-06331	10	GGGG	182	24
05210E 5005N	2925-06221	10	FGGG	180	25	04937E 5131N	2909-06341	80	GGGG	182	24
05210E 4307N	2887-06145	10	PPFF	178	30	04955E 3141N	2922-06104	10	GGGG	177	38
05210E 4304N	2905-06135	70	FFFF	178	30	04936E 5833N	2930-06481	30	GGGG	185	19
05210E 3433N	2921-06041	10	GGGG	176	36	04931E 4719N	2926-06285	20	FFGG	181	27
05209E 4305N	2923-06130	60	FF F	178	30	04931E 3016N	2922-06110	10	FFFF	177	39
05207E 3849N	2922-06083	50	GGGG	177	33	04920E 3432N	2923-06153	10	GGGG	178	36
05206E 5256N	2926-06271	10	GGGG	181	23	04919E 5010N	2927-06334	10	GGGG	182	25
05205E 3851N	2940-06073	100	GF G	177	33	04917E 5006N	2909-06343	100	GGGG	182	25
05148E 4552N	2906-06185	10	GGFG	179	28	04914E 3850N	2942-06185	10	GGGG	179	33
05145E 3307N	2921-06043	0	GGGG	176	37	04913E 3848N	2924-06195	40	GGGG	179	33
05139E 5714N	2946-06361	70	GGGG	183	20	04856E 4554N	2926-06291	10	GGGG	181	28
05139E 3724N	2922-06090	70	GGGF	177	34	04855E 3306N	2923-06155	10	GGGG	178	37

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

07:04 SEP 15, '77

LANDSAT#2
COORDINATE LISTING
FOR NON-US
FROM 03/01/77 TO 08/31/77

PAGE 0126

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBY MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBY MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
04845E	3723N	2924-06202	30	GGFG	179	34	04554E	3723N	2926-06314	30	GGFG	181	34
04842E	4845N	2927-06340	10	GGGG	182	26	04550E	4846N	2929-06452	10	GGGG	184	26
04839E	4842N	2909-06350	100	GGGG	182	26	04541E	5422N	2931-06550	50	FFFF	186	22
04829E	3141N	2923-06162	10	GGGG	178	38	04541E	5420N	2913-06560	10	FFGF	186	22
04823E	4429N	2926-06294	10	FFFG	181	29	04539E	5134N	2930-06501	30	FFFF	185	24
04819E	3557N	2924-06204	10	FFFF	179	35	04533E	4432N	2928-06410	10	GGGG	183	29
04805E	4721N	2927-06343	40	GGGG	182	27	04530E	4427N	2910-06415	30	GGGG	183	29
04805E	3016N	2923-06164	0	GGGG	178	39	04527E	3657N	2926-06321	20	GGGG	181	35
04804E	4717N	2909-06352	50	GGFG	182	27	04513E	4721N	2929-06455	10	FFFF	184	27
04755E	5010N	2928-06392	0	GGGG	183	25	04501E	5544N	2914-07012	50	PPPP	187	21
04752E	5006N	2910-06401	50	FGGG	183	25	04501E	5544N	2932-07002	60	FFG	187	21
04752E	3432N	2924-06211	10	GGGG	179	36	04501E	4306N	2928-06412	30	GGGG	183	30
04747E	3852N	2943-06243	0	GGGF	180	33	04459E	5010N	2930-06504	40	FFFF	185	25
04742E	5954N	2932-06591	70	GGGG	187	18	04458E	4302N	2910-06422	70	GGGG	183	30
04731E	4557N	2927-06345	10	GGGG	182	28	04457E	5258N	2931-06553	90	PPFF	186	23
04729E	4552N	2909-06355	0	GGGG	182	28	04457E	5256N	2913-06563	10	FFFF	186	23
04727E	3306N	2924-06213	0	FGGG	179	37	04439E	4557N	2929-06461	30	GGGG	184	28
04721E	3723N	2925-06260	20	GGGG	180	34	04430E	4142N	2928-06415	30	GGGG	183	31
04720E	3727N	2943-06250	0	GGGG	180	34	04427E	5708N	2915-07063	80	PPPP	188	20
04717E	4846N	2928-06394	10	GGGG	183	26	04422E	4846N	2930-06510	40	PPPP	185	26
04714E	4841N	2910-06404	30	GGGG	183	26	04415E	5132N	2913-06565	10	FFFF	186	24
04708E	5134N	2929-06443	10	GGGG	184	24	04414E	5421N	2932-07005	60	FFGG	187	22
04701E	3140N	2924-06220	0	GGGG	179	38	04414E	5420N	2914-07014	70	PPPP	187	22
04656E	4427N	2909-06361	20	GGGG	182	29	04406E	4432N	2929-06464	40	FFFF	184	29
04653E	3557N	2925-06262	10	GGGG	180	35	04400E	4016N	2928-06421	30	GGGG	183	32
04641E	4721N	2928-06401	0	GGGG	183	27	04345E	4721N	2930-06513	40	PPPP	185	27
04638E	4717N	2910-06410	20	GGGG	183	27	04337E	5545N	2915-07070	70	PPFF	188	21
04629E	5546N	2931-06544	10	GGGG	186	21	04335E	5010N	2931-06562	90	PPP	186	25
04628E	5544N	2913-06554	20	FFFF	186	21	04335E	5007N	2913-06572	10	FFFF	186	25
04628E	5010N	2929-06450	0	GGGG	184	25	04331E	5258N	2932-07011	80	FFFF	187	23
04627E	3432N	2925-06265	10	GGGG	180	36	04330E	5256N	2914-07021	70	PPPP	187	23
04622E	3848N	2926-06312	30	GGGG	181	33	04329E	3847N	2910-06433	0	GGGG	183	33
04621E	5258N	2930-06495	10	PPFF	185	23	04311E	4556N	2930-06515	40	FFFF	185	28
04606E	4557N	2928-06403	10	GGGG	183	28	04257E	4843N	2913-06574	10	GGGG	186	26
04603E	4552N	2910-06413	10	GGGG	183	28	04250E	5421N	2915-07072	90	FFFF	188	22
04601E	3306N	2925-06271	10	GGGG	180	37	04249E	5134N	2932-07014	90	PPPP	187	24

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT-2
COORDINATE LISTING
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PAGE 0127

PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBY MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBY MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER
04248E	5132N	2914-07023	60	FFFF	187	24	03911E	5255N	2917-07191	40	PPPP	190	23		
04221E	4718N	2913-06581	0	FFFF	186	27	03908E	5953N	2920-07341	40	FFFF	193	18		
04220E	4722N	2931-06571	30	PGF	186	27	03855E	4555N	2915-07095	10	GGGG	188	28		
04209E	5010N	2932-07020	80	FFFF	187	25	03842E	5706N	2901-07302	50	PPPP	192	20		
04208E	5008N	2914-07030	20	PPFF	187	25	03839E	5706N	2919-07232	10	PPFF	192	20		
04206E	5257N	2915-07075	30	GGGG	188	23	03830E	5421N	2936-07233	90	GGFG	191	22		
04206E	4306N	2930-06524	60	PPFP	185	30	03830E	5419N	2918-07243	30	FFFF	191	22		
04158E	5955N	2936-07215	90	GGGG	191	18	03829E	5131N	2917-07194	70	PPPP	190	24		
04146E	4557N	2931-06573	20	GGGG	186	28	03822E	4430N	2915-07102	10	GGGG	188	29		
04146E	4553N	2913-06583	0	FFFF	186	28	03810E	5830N	2920-07344	70	FFFF	193	19		
04135E	4141N	2930-06531	70	PPPP	185	31	03752E	5543N	2901-07304	50	PPFP	192	21		
04131E	4846N	2932-07023	30	FGGG	187	26	03750E	4305N	2915-07104	20	GGFF	188	30		
04130E	4844N	2914-07032	30	FFFF	187	26	03749E	5543N	2919-07294	50	PPFF	192	21		
04124E	5133N	2915-07081	10	FGGF	188	24	03746E	5258N	2936-07235	90	GGGG	191	23		
04113E	4428N	2913-06590	10	FFGF	186	29	03746E	5255N	2918-07245	20	GGGG	191	23		
04112E	4432N	2931-06580	80	PPPP	186	29	03742E	5953N	2921-07395	10	GGGG	194	18		
04101E	5832N	2936-07221	90	GGGG	191	19	03719E	4140N	2915-07111	30	GGGG	188	31		
04055E	4721N	2932-07025	10	FFGG	187	27	03716E	5707N	2920-07350	60	PPFF	193	20		
04054E	4719N	2914-07035	10	FFFF	187	27	03704E	5419N	2901-07311	30	GGGG	192	22		
04044E	5009N	2915-07084	0	GGGF	188	25	03704E	5134N	2936-07242	90	GGGG	191	24		
04032E	5952N	2901-07293	40	GGGG	192	18	03704E	5131N	2918-07252	40	GGGG	191	24		
04030E	5953N	2919-07283	40	GGGG	192	18	03702E	5419N	2919-07301	30	PPFF	192	22		
04020E	4556N	2932-07032	10	FFFFG	187	28	03649E	4014N	2915-07113	10	GGGG	188	32		
04019E	4555N	2914-07041	20	FFFF	187	28	03644E	5831N	2921-07402	10	FFGF	194	19		
04010E	6116N	2920-07335	50	FFFF	193	17	03644E	5830N	2903-07411	50	GGFG	194	19		
04008E	5709N	2936-07224	90	GGGG	191	20	03626E	5544N	2920-07353	70	PPFF	193	21		
04006E	5706N	2918-07234	20	GGGG	191	20	03624E	5009N	2936-07244	90	GGGF	191	25		
04006E	4845N	2915-07090	0	FFFF	188	26	03624E	5007N	2918-07254	80	PPFF	191	25		
03956E	5419N	2917-07185	10	FFFF	190	22	03620E	5255N	2901-07313	30	GGFF	192	23		
03947E	4432N	2932-07034	10	FFFFG	187	29	03620E	3849N	2915-07120	0	GGGG	188	33		
03946E	4429N	2914-07044	30	FFFF	187	29	03618E	5256N	2919-07303	60	GGFG	192	23		
03935E	5829N	2901-07295	40	FFGF	192	19	03601E	4552N	2917-07212	20	PP	190	28		
03932E	5830N	2919-07285	20	GGGG	192	19	03552E	3724N	2915-07122	20	GGGG	188	34		
03929E	4720N	2915-07093	10	GGGG	188	27	03551E	5707N	2903-07414	60	GGGG	194	20		
03918E	5545N	2936-07230	80	GGFG	191	21	03550E	6116N	2905-07514	90	PPFG	196	17		
03917E	5543N	2918-07240	30	FFFF	191	21	03550E	5707N	2921-07404	20	GGGG	194	20		

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER
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PAGE 0128

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RSV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RSV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
03549E	6116N	2923-07505	60	GGGG	196	17	03322E	5953N	2924-07565	70	GGGG	197	18
03547E	4845N	2936-07251	40	GGGG	191	26	03309E	4554N	2919-07324	40	GGGG	192	28
03546E	4842N	2918-07261	90	FFFF	191	26	03258E	5708N	2905-07530	60	GGFF	196	20
03539E	5420N	2920-07355	80	FFFF	193	22	03257E	5707N	2923-07520	40	GGGG	196	20
03538E	5131N	2901-07320	80	PPPP	192	24	03255E	4843N	2920-07373	30	FFFF	193	26
03537E	5132N	2919-07310	90	PPPP	192	24	03247E	5132N	2903-07432	50	FFFF	194	24
03525E	3558N	2915-07125	30	GGGG	188	35	03246E	5420N	2922-07471	70	GGGG	195	22
03511E	4720N	2936-07253	10	GGGG	191	27	03225E	5831N	2906-07582	100	FFFF	197	19
03509E	4718N	2918-07263	40	FFFF	191	27	03225E	5830N	2924-07572	70	FFFF	197	19
03501E	5544N	2903-07420	50	FFGG	194	21	03219E	4719N	2920-07380	20	FFFF	193	27
03500E	5544N	2921-07411	50	FFGG	194	21	03208E	5545N	2905-07532	90	GGFF	196	21
03459E	3432N	2915-07131	30	GGGP	188	36	03207E	5544N	2923-07523	40	GGGG	196	21
03458E	5007N	2901-07322	90	PPPP	192	25	03207E	5008N	2903-07434	80	FFFF	194	25
03455E	5256N	2920-07362	90	PPPP	193	23	03202E	5256N	2922-07474	70	FFFF	195	23
03448E	5954N	2905-07521	70	GGGG	196	18	03148E	2305N	2933-07154	0	GGGG	188	44
03447E	5953N	2923-07511	60	GGGG	196	18	03144E	4554N	2920-07382	10	FFFF	193	28
03436E	4555N	2936-07260	10	GGGG	191	28	03132E	5708N	2906-07584	80	FFFF	197	20
03435E	4553N	2918-07270	10	GGGG	191	28	03132E	5707N	2924-07574	30	GGGG	197	20
03433E	3307N	2915-07134	20	GGGF	188	37	03129E	4843N	2903-07441	90	PPFF	194	26
03424E	6115N	2924-07563	30	GGGG	197	17	03126E	2139N	2933-07160	0	GGGG	188	45
03424E	5707N	2922-07462	50	FFFF	195	20	03121E	5421N	2905-07535	90	FFFF	196	22
03420E	4842N	2901-07325	80	PPPP	192	26	03120E	5132N	2922-07480	50	FFFF	195	24
03413E	5421N	2903-07423	50	FFGG	194	22	03119E	5420N	2923-07525	70	FFFF	196	22
03413E	5420N	2921-07413	80	GGGG	194	22	03053E	4719N	2921-07434	10	GGGG	194	27
03408E	3141N	2915-07140	20	GGGG	188	38	03053E	4718N	2903-07443	90	FFFF	194	27
03403E	4430N	2936-07262	20	GGGG	191	29	03042E	5545N	2906-07591	50	GGGG	197	21
03402E	4428N	2918-07272	30	GGGF	191	29	03042E	5543N	2924-07581	10	GGGG	197	21
03351E	5831N	2905-07523	40	FGFF	196	19	03040E	5008N	2922-07483	30	PPGF	195	25
03350E	5830N	2923-07514	50	GGGG	196	19	03036E	5257N	2905-07541	90	FFFF	196	23
03344E	4717N	2901-07331	30	FGFG	192	27	03035E	5256N	2923-07532	90	PPPP	196	23
03343E	4718N	2919-07321	30	GGGG	192	27	03019E	4553N	2903-07450	90	FFFG	194	28
03334E	5544N	2922-07465	60	FFFF	195	21	03018E	4554N	2921-07440	30	GGPF	194	28
03333E	5008N	2920-07371	90	FFPF	193	25	03003E	4843N	2922-07485	20	FFFF	195	26
03329E	5257N	2903-07425	50	FFFF	194	23	02955E	5420N	2924-07583	40	GGGG	197	22
03329E	5256N	2921-07420	90	GGGG	194	23	02954E	5421N	2906-07593	40	GGGG	197	22
03323E	5954N	2906-07575	90	FGFF	197	18	02954E	5133N	2905-07544	90	GGFF	196	24

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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LANDSAT#2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0129

PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	LONG	LAT	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
02953E	5132N	2923-07534	50	PPFF	196	196	24	02452E	5258N	2927-08160	30	GGGG	200	23	
02945E	4429N	2921-07443	10	GGGF	194	194	29	02422E	5709N	2929-08261	70	FFFF	202	20	
02927E	4719N	2922-07492	30	FFFF	195	195	27	02411E	5421N	2928-08212	70	GGGG	201	22	
02915E	5543N	2925-08035	60	FFFF	198	198	21	02410E	5134N	2927-08163	30	GGGG	200	24	
02914E	5008N	2905-07550	80	FFFF	196	196	25	02408E	5418N	2910-08222	40	FFGF	201	22	
02913E	5007N	2923-07541	50	FFFF	196	196	25	02350E	5832N	2930-08312	90	PPPP	203	19	
02910E	5257N	2906-08000	40	GGGG	197	197	23	02332E	5546N	2929-08263	60	GGGG	202	21	
02910E	5256N	2924-07590	90	GGGF	197	197	23	02330E	5009N	2927-08165	30	GGGG	200	25	
02836E	4843N	2905-07553	50	GGGG	196	196	26	02327E	5258N	2928-08214	20	GGGG	201	23	
02836E	4843N	2923-07543	60	FFFG	196	196	26	02324E	5254N	2910-08224	40	GGGG	201	23	
02829E	5132N	2924-07592	90	FFFF	197	197	24	02257E	5709N	2930-08315	90	PPPP	203	20	
02828E	5133N	2906-08002	40	GGGG	197	197	24	02252E	4845N	2927-08172	30	GGGG	200	26	
02800E	4719N	2905-07555	30	GGGG	196	196	27	02245E	5134N	2928-08221	20	GGGG	201	24	
02800E	4718N	2923-07550	50	GGGG	196	196	27	02244E	5422N	2929-08270	60	PPPP	202	22	
02749E	5008N	2924-07595	90	FFFF	197	197	25	02242E	5130N	2910-08231	40	GGGG	201	24	
02748E	5008N	2906-08005	50	GGGG	197	197	25	02216E	4720N	2927-08174	20	GGGG	200	27	
02725E	4554N	2905-07562	30	GGGG	196	196	28	02207E	5545N	2930-08321	70	FFFF	203	21	
02725E	4553N	2923-07552	80	PPPP	196	196	28	02205E	5009N	2928-08223	20	GGGG	201	25	
02713E	5709N	2927-08145	90	FFFF	200	200	20	02202E	5006N	2910-08233	60	GGGG	201	25	
02711E	4843N	2924-08001	80	FFFF	197	197	26	02131E	5709N	2931-08373	80	GGGF	204	20	
02710E	4844N	2906-08011	50	GGGG	197	197	26	02128E	5707N	2913-08383	80	FFFF	204	20	
02702E	5131N	2925-08051	60	GGGG	198	198	24	02124E	4841N	2910-08240	30	GGGG	201	26	
02643E	5832N	2928-08200	50	GGGG	201	201	19	02119E	5421N	2930-08324	40	PPPP	203	22	
02639E	5828N	2910-08210	80	GGGG	201	201	19	02041E	5545N	2931-08380	20	GGGG	204	21	
02634E	4719N	2906-08014	50	GGGG	197	197	27	02037E	5543N	2913-08385	70	FFFF	204	21	
02634E	4719N	2924-08004	50	GGGG	197	197	27	01954E	5422N	2931-08382	20	GGGG	204	22	
02623E	5546N	2927-08151	90	FFFF	200	200	21	01930E	5419N	2913-08392	80	FFFF	204	22	
02622E	5007N	2925-08053	90	FFFF	198	198	25	00935W	5956N	2936-10482	90	GGGG	227	18	
02359E	4554N	2906-08020	60	GGGG	197	197	28	01032W	5833N	2936-10485	80	GGGG	227	19	
02549E	5709N	2928-08203	40	GGGG	201	201	20	01101W	5956N	2937-10540	80	GGGG	228	18	
02545E	5705N	2910-08213	70	GGGG	201	201	20	01125W	6119N	2938-10592	90	GGGG	229	17	
02536E	5422N	2927-08154	70	GGGG	200	200	22	01125W	5711N	2936-10491	90	GGGG	227	20	
02526E	4429N	2906-08023	30	GGGG	197	197	29	01159W	5834N	2937-10543	80	GGGG	228	19	
02516E	5832N	2929-08254	80	GGGG	202	202	19	01227W	5956N	2938-10594	90	GGGG	229	18	
02459E	5545N	2928-08205	50	GGGG	201	201	21	01253W	5711N	2937-10545	70	GGGG	228	20	
02455E	5542N	2910-08215	50	GGGG	201	201	21	01254W	6118N	2939-11050	100	GGGG	230	17	

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COORDINATE LISTING
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PAGE 0130

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG LAT						LONG LAT					
01326W 5833N	2938-11001	70	GGGG	229	19	05941W 3845S	2932-12374	70	GGGG	241	87
01356W 5956N	2939-11052	90	GGGG	230	18	05946W 3429S	2933-12420	90	FFFF	242	84
01419W 5710N	2938-11003	20	GGGG	229	20	05957W 3011S	2934-12463	40	GGGF	243	81
01453W 5833N	2939-11055	70	GGGG	230	19	06012W 3554S	2933-12423	90	GGGG	242	85
04821W 2426S	2927-12050	40	GGGG	236	77	06021W 3137S	2934-12465	30	GGGG	243	82
04841W 2008S	2928-12093	10	FFFF	237	74	06039W 3720S	2933-12425	60	GGGG	242	86
04843W 2552S	2927-12053	60	FFFF	236	78	06046W 3304S	2934-12472	0	GGGF	243	83
04902W 2134S	2928-12095	0	GGGG	237	75	06059W 2846S	2935-12515	0	FFFF	244	80
04906W 2718S	2927-12055	50	GGGG	236	79	06107W 3845S	2933-12432	20	FFFF	242	87
04924W 2301S	2928-12102	0	FFPF	237	76	06111W 3429S	2934-12474	10	PPPP	243	84
04929W 2844S	2927-12062	40	GGGG	236	80	06123W 3012S	2935-12521	0	PPPP	244	81
05009W 2552S	2928-12111	70	GGGF	237	78	06135W 4011S	2933-12434	10	GGGG	242	88
05032W 2718S	2928-12113	70	F FF	237	79	06138W 3554S	2934-12481	10	FFFF	243	85
05056W 2844S	2928-12120	50	F F	237	80	06205W 3719S	2934-12483	30	PPGG	243	86
05112W 2423S	2929-12162	40	PPPP	238	77	06212W 3304S	2935-12530	70	PPPP	244	83
05158W 2716S	2929-12171	20	FFPF	238	79	06234W 3845S	2934-12490	50	GGGF	243	87
05216W 2259S	2930-12214	10	GGGG	239	76	06237W 3430S	2935-12533	40	P	244	84
05222W 2842S	2929-12174	70	FFPF	238	80	06303W 4011S	2934-12492	90	PPPP	243	88
05238W 2425S	2930-12221	10	GGGG	239	77	06304W 3555S	2935-12535	60	PPPP	244	85
05245W 3008S	2929-12180	90	FFFF	238	81	06331W 3720S	2935-12542	30	FFFF	244	86
05301W 2550S	2930-12223	30	PPPP	239	78	06359W 3846S	2935-12544	20	GGGG	244	87
05324W 2717S	2930-12230	90	GGGG	239	79	06438W 3140S	2937-13040	60	FFFF	246	82
05348W 2842S	2930-12232	50	GGGG	239	80	06502W 3306S	2937-13042	50	PPPP	246	83
05412W 3008S	2930-12235	30	GGGG	239	81	06528W 3431S	2937-13045	10	PPPP	246	84
05440W 2846S	2932-12344	70	FFFG	241	80	06549W 3308N	2931-13542	20	GG G	7	37
05720W 3552S	2931-12311	90	FGGG	240	85	06602W 4845N	2935-14123	70	GGPG	11	26
05729W 3137S	2932-12353	80	FFFF	241	82	06609W 5134N	2936-14172	80	GGGG	12	24
05747W 3717S	2931-12313	70	FGGG	240	86	06614W 3143N	2931-13545	20	GGGG	7	38
05754W 3303S	2932-12360	90	GGGG	241	83	06650W 5010N	2936-14175	60	FFFF	12	25
05815W 3843S	2931-12320	60	FGGG	240	87	06717W 3307N	2932-14000	20	GGGF	8	37
05820W 3428S	2932-12362	90	GGGG	241	84	06728W 4645N	2936-14181	50	GGGG	12	26
05846W 3538S	2932-12365	90	GGGG	241	85	06742W 3141N	2932-14003	20	GGFG	8	38
05855W 3138S	2933-12411	90	GGGG	242	82	06814W 5008N	2919-14243	80	GGGG	13	25
05913W 3719S	2932-12371	80	FFFF	241	86	06816W 5009N	2937-14233	70	GGGG	13	25
05920W 3304S	2933-12414	90	FFFF	242	83	06852W 4843N	2919-14245	90	GGGF	13	26
05933W 2846S	2934-12460	30	FFFF	243	80	06855W 4844N	2937-14235	70	GGGG	13	26

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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COORDINATE LISTING
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PAGE 0131

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV M88 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV M88 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
06947W	3850N	2935-14153	70	QFGF	11	33	08110W	5006N	2910-15163	70	QGGG	22	25
06948W	3847N	2917-14163	30	QGGG	11	33	08237W	5006N	2911-15221	90	QGGG	23	25
07015W	3724N	2935-14155	30	QGGG	11	34	08253W	1135N	2921-14470	50	QGGG	15	52
07016W	3722N	2917-14165	60	QGGG	11	34	08253W	1135N	2939-14460	90	QGGG	15	52
07020W	4844N	2920-14303	90	QGG	14	26	08313W	1009N	2921-14473	80	QGGG	15	53
07028W	5132N	2921-14352	10	QGGG	15	24	08313W	1009N	2939-14463	70	QGGG	15	53
07042W	3558N	2935-14162	30	QGGG	11	35	08333W	0843N	2939-14465	40	QGGG	15	54
07043W	3556N	2917-14172	70	QGGG	11	35	08333W	0842N	2921-14475	80	QGGG	15	54
07108W	5008N	2921-14355	30	QGGG	15	25	08440W	1008N	2922-14531	50	QGGG	16	53
07109W	3432N	2935-14164	30	QGGG	11	36	08500W	0842N	2922-14534	40	QGGG	16	54
07109W	3430N	2917-14174	90	QGGG	11	36	08655W	5009N	2932-15382	80	FG	26	25
07146W	4844N	2921-14361	70	QGGG	15	26	08656W	5009N	2914-15392	40	QGGG	26	25
07235W	3433N	2936-14222	50	QGGG	12	36	08906W	7153N	2929-16575	10	QGGG	42	9
07236W	3431N	2918-14232	100	QGGG	12	36	08908W	5134N	2934-15432	90	QGGG	28	24
07301W	3307N	2936-14225	40	QGGG	12	37	08909W	5130N	2916-15502	10	QGGG	28	24
07302W	3305N	2918-14235	100	QGGG	12	37	08948W	5010N	2934-15494	70	QGGG	28	25
07325W	3142N	2936-14231	20	QGGG	12	38	08948W	5006N	2916-15504	10	QGGG	28	25
07327W	3140N	2918-14241	90	QGGG	12	38	09114W	5010N	2935-15552	90	QGGG	29	25
07515W	3015N	2919-14302	90	QGGG	13	39	09114W	5007N	2917-15562	30	QGGG	29	25
07516W	3016N	2937-14292	10	QGGG	13	39	09121W	7038N	2929-16582	30	QGGG	41	10
07540W	2850N	2937-14294	30	QGGG	13	40	09159W	5134N	2936-16004	50	QGGG	30	24
07540W	2849N	2919-14304	70	QGGG	13	40	09239W	5009N	2936-16010	80	QGGG	30	25
07604W	2723N	2919-14311	50	QGGG	13	41	09321W	6918N	2911-16594	70	QGGG	41	11
07604W	2723N	2937-14301	60	QGGG	13	41	09322W	6921N	2929-16584	20	QGGG	41	11
07616W	0254N	2933-14143	40	QGG	9	58	09325W	5136N	2937-16062	70	QGGG	31	24
07636W	0127N	2933-14145	60	QGGG	9	59	09404W	5012N	2937-16064	30	QGGG	31	25
07655W	0001N	2933-14152	80	QGGG	9	60	09508W	6759N	2911-17001	80	QGGG	41	12
07715W	01248	2933-14154	30	QGGG	9	61	09509W	6802N	2929-16591	10	QGGG	41	12
07727W	2723N	2920-14365	30	QGGG	14	41	09530W	5012N	2938-16122	50	FG	32	25
07751W	2557N	2920-14371	30	QGGG	14	42	09534W	5257N	2921-16182	40	QGGG	33	23
07752W	2600N	2938-14361	80	QGGG	14	42	09616W	5133N	2921-16184	10	QGGG	33	24
07814W	2431N	2920-14374	30	QGGG	14	43	09645W	6639N	2911-17003	70	QGGG	41	13
07815W	2434N	2938-14364	60	QGGG	14	43	09646W	6643N	2929-16593	10	QGGG	41	13
07821W	0001N	2934-14210	40	QGGG	10	60	09657W	5012N	2939-16181	10	FFFF	33	25
07841W	01248	2934-14213	50	QGGG	10	61	09744W	5133N	2922-16242	40	QGGG	34	24
08110W	5011N	2928-15154	90	QGGG	22	25	09812W	6519N	2911-17010	60	QGGG	41	14

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

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COORDINATE LISTING
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PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
09814W	6523N	2929-17000	20	GGGG	41	14	10451W	5139N	2945-16514	60	GGGG	39	24
09822W	5012N	2940-16235	50	FFFF	34	25	10454W	5422N	2928-16574	50	GGGG	40	22
09822W	2431N	2934-15571	20	FGGG	28	43	10454W	5135N	2927-16525	70	GGGG	39	24
09931W	6358N	2911-17012	50	GGGG	41	15	10455W	5419N	2910-16583	50	GGGG	40	22
09933W	6402N	2929-17002	70	GGGG	41	15	10506W	2557N	2921-16261	10	GGGG	33	42
09946W	2430N	2917-16035	10	GGGG	29	43	10507W	2559N	2939-16251	10	FFFF	33	42
09947W	2431N	2935-16025	30	GGGG	29	43	10528W	2431N	2921-16264	10	GGGG	33	43
10044W	6237N	2911-17015	40	GGPG	41	16	10530W	2433N	2939-16254	10	FFFF	33	43
10046W	6240N	2929-17005	70	FGGG	41	16	10532W	5545N	2929-17025	60	GGGG	41	21
10115W	5013N	2942-16351	60	GFFG	36	25	10532W	5542N	2911-17035	10	GGGG	41	21
10150W	6114N	2911-17021	30	PPPP	41	17	10532W	5015N	2945-16521	20	GGGG	39	25
10152W	6117N	2929-17011	70	GGGG	41	17	10539W	5258N	2928-16580	40	GGGG	40	23
10203W	5132N	2925-16412	80	GGGG	37	24	10539W	5255N	2910-16590	40	GGGG	40	23
10239W	5547N	2927-16513	50	GGGG	39	21	10551W	2305N	2921-16270	10	GGGG	33	44
10244W	5259N	2926-16464	70	GGGG	38	23	10552W	2308N	2939-16260	30	FFFF	33	44
10246W	5257N	2908-16474	90	GGGG	38	23	10609W	2723N	2922-16313	10	GGGG	34	41
10252W	5952N	2911-17024	40	FFGF	41	18	10610W	2725N	2940-16303	60	FFFF	34	41
10253W	5955N	2929-17014	80	GGGG	41	18	10619W	5419N	2911-17042	10	GGGG	41	22
10318W	5706N	2910-16574	40	GGGG	40	20	10620W	5422N	2929-17032	50	GGGG	41	22
10323W	5426N	2945-16505	90	GGGG	39	22	10621W	5134N	2928-16583	40	GGGG	40	24
10326W	5423N	2927-16520	60	GGGG	39	22	10621W	5131N	2910-16592	20	GGGG	40	24
10327W	5134N	2926-16470	80	GG G	38	24	10633W	2559N	2940-16305	10	FFFF	34	42
10328W	5133N	2908-16480	80	GGFG	38	24	10633W	2557N	2922-16315	10	GGGG	34	42
10340W	2558N	2920-16203	90	FGGF	32	42	10655W	2433N	2940-16312	20	FFFF	34	43
10341W	2601N	2938-16193	10	GGGG	32	42	10656W	2431N	2922-16322	30	GGGG	34	43
10349W	5832N	2929-17020	50	GGGG	41	19	10703W	5255N	2911-17044	0	GGGG	41	23
10349W	5829N	2911-17030	40	GGGG	41	19	10705W	5258N	2929-17034	40	GGGG	41	23
10404W	2434N	2938-16195	10	FGGG	32	43	10717W	2306N	2940-16314	20	FFFF	34	44
10407W	5011N	2926-16473	40	GGGG	38	25	10718W	2304N	2922-16324	40	GGGG	34	44
10408W	5542N	2910-16581	50	GFFG	40	21	10735W	2727N	2941-16361	20	FFFF	35	41
10408W	5302N	2945-16512	80	GGGG	39	23	10737W	2723N	2923-16371	10	GGGG	35	41
10411W	5259N	2927-16522	90	GGGG	39	23	10745W	5130N	2911-17051	10	GGGG	41	24
10425W	2305N	2920-16212	40	FFG	32	44	10747W	5134N	2929-17041	10	GGGG	41	24
10427W	2307N	2938-16202	10	GGGG	32	44	10759W	2600N	2941-16363	30	FFFF	35	42
10442W	5709N	2929-17023	50	GGGG	41	20	10800W	2557N	2923-16373	30	GGGG	35	42
10442W	5706N	2911-17033	30	GGGG	41	20	10821W	2435N	2941-16370	20	FFFF	35	43

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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COORDINATE LISTING
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PAGE 0133

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
10823W	2430N	2923-16380	40	GGGG	35	43	11205W	5133N	2932-17211	30	GGGG	44	24
10828W	5258N	2930-17092	80	GGGG	42	23	11205W	5132N	2914-17221	10	GGGG	44	24
10829W	5255N	2912-17102	10	GGGG	42	23	11217W	2559N	2926-16543	30	GGGF	38	42
10834W	8011N	2932-20381	70	FFGG	82	1	11240W	2432N	2926-16550	60	GGGG	38	43
10843W	2308N	2941-16372	50	FFFF	35	44	11242W	5545N	2934-17312	50	G	46	21
10845W	2304N	2923-16382	20	GGGF	35	44	11243W	5545N	2916-17322	20	GGGF	46	21
10902W	2725N	2942-16415	20	GGFG	36	41	11248W	5257N	2933-17263	40	FGFG	45	23
10902W	2723N	2924-16425	10	GFGF	36	41	11255W	2853N	2945-16582	10	GGGG	39	40
10910W	5134N	2930-17095	40	GGGC	42	24	11257W	2850N	2927-16593	80	FGGG	39	40
10911W	5422N	2931-17144	40	FGGG	43	22	11319W	2726N	2945-16585	10	FGGG	39	41
10911W	5131N	2912-17105	20	GGGG	42	24	11321W	2725N	2927-16595	60	GGGG	39	41
10912W	5420N	2913-17154	40	GGGG	43	22	11329W	5421N	2934-17314	40	GGGG	46	22
10925W	2559N	2942-16421	30	G GG	36	42	11330W	5422N	2916-17324	10	GGGG	46	22
10925W	2557N	2924-16431	10	FGGF	36	42	11330W	5133N	2933-17265	90	GGGG	45	24
10948W	2433N	2942-16424	20	FGGG	36	43	11343W	2600N	2945-16591	10	FGGG	39	42
10955W	5258N	2931-17150	20	FGGG	43	23	11344W	2558N	2927-17002	40	GGFG	39	42
10956W	5256N	2913-17160	30	GGGG	43	23	11400W	3013N	2910-17054	0	GGGG	40	39
11006W	2848N	2925-16480	10	GGGG	37	40	11413W	5257N	2934-17321	40	GGGG	46	23
11007W	8011N	2933-20435	60	GGFG	83	1	11414W	5258N	2916-17331	10	GGGG	46	23
11010W	2307N	2942-16430	30	FGGG	36	44	11423W	2851N	2928-17051	30	GGGG	40	40
11010W	2305N	2924-16440	20	FGGF	36	44	11429W	8011N	2936-21005	100	GGGG	86	1
11018W	8009N	2915-20445	100	GGGG	83	1	11447W	2724N	2928-17053	20	GGFG	40	41
11029W	2722N	2925-16483	10	GGGG	37	41	11455W	5133N	2934-17323	70	GGGF	46	24
11037W	5134N	2931-17153	10	FGGG	43	24	11456W	5133N	2916-17333	40	GGGG	46	24
11038W	5132N	2913-17163	10	GGGG	43	24	11525W	3016N	2929-17102	40	GGGG	41	39
11039W	5421N	2932-17202	50	GGGG	44	22	11525W	3014N	2911-17112	40	GGGG	41	39
11039W	5420N	2914-17212	30	GGGG	44	22	11550W	8011N	2937-21063	90	GGGG	87	1
11052W	2556N	2925-16485	10	GGGF	37	42	11551W	7928N	2932-20383	50	GGGG	81	2
11115W	2430N	2925-16492	10	GGGG	37	43	11552W	8010N	2919-21073	50	GGGG	87	1
11123W	5257N	2932-17205	80	GG G	44	23	11651W	8012N	2938-21121	80	GGGG	88	1
11123W	5256N	2914-17214	10	GGGG	44	23	11721W	7929N	2933-20441	10	GGGG	83	2
11128W	8010N	2934-20493	40	GGGG	84	1	11732W	7927N	2915-20451	90	GGGG	82	2
11131W	2851N	2926-16534	10	GGGG	38	40	11826W	5012N	2936-17442	10	GGGG	48	25
11137W	2304N	2925-16494	10	GGGG	37	44	11842W	7928N	2934-20495	80	GGGG	83	2
11149W	8010N	2916-20503	100	GGGG	84	1	11900W	7927N	2916-20505	100	GGGG	84	2
11154W	2725N	2926-16541	20	GGGF	38	41	11904W	5711N	2939-17592	30	FG G	51	20

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER.
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LANDSAT#2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0134

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS 12345678	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT						LONG	LAT					
11920W	3142N	2932-17270	90	GGGG	44	38	12611W	4139N	2921-18045	20	GGFG	51	31
11920W	3140N	2914-17280	90	GGGG	44	38	12613W	6116N	2928-18385	60	GGGG	58	17
11958W	8013N	2940-21233	80	GGGG	90	1	12635W	4429N	2922-18094	10	GGGF	52	29
12012W	8010N	2922-21243	100	GGGG	90	1	12636W	7836N	2917-20570	90	GGGG	84	3
12022W	7927N	2917-20563	100	FGGG	85	2	12707W	4304N	2922-18101	20	PGF	52	30
12040W	5424N	2939-18001	40	GGGG	51	22	12714W	5954N	2928-18391	20	GGGG	58	18
12041W	5132N	2920-17562	90	FGG	50	24	12715W	7930N	2940-21240	90	FGGG	90	2
12046W	3141N	2933-17324	90	GGGG	45	38	12729W	7928N	2922-21250	100	GGGG	90	2
12121W	5543N	2922-18062	20	FGG	52	21	12730W	7740N	2932-20392	70	FGGG	81	4
12124W	5301N	2939-18003	10	GGGG	51	23	12740W	6116N	2929-18443	70	GGGG	59	17
12136W	7927N	2918-21021	30	GGGG	85	2	12754W	7836N	2918-21024	60	GGGG	85	3
12141W	8009N	2923-21301	100	GGGF	91	1	12755W	7838N	2936-21014	70	FGGG	85	3
12141W	7929N	2936-21012	100	FGGG	86	2	12811W	5832N	2928-18394	20	GGGG	58	19
12206W	5136N	2939-18010	0	GGGG	51	24	12813W	5831N	2910-18403	90	FGGG	58	19
12208W	7837N	2932-20390	70	GGGG	81	3	12841W	5954N	2929-18445	90	GGGG	59	18
12208W	5419N	2922-18065	20	PGG	52	22	12854W	7927N	2923-21304	100	GGGG	90	2
12211W	3142N	2934-17382	100	GGGF	46	38	12900W	7740N	2933-20450	20	FGGG	82	4
12211W	3141N	2916-17392	0	GGGF	46	38	12909W	7738N	2915-20460	70	GGGG	82	4
12246W	5011N	2939-18012	10	GGGG	51	25	12921W	7838N	2919-21082	40	GGGG	86	3
12252W	5256N	2922-18071	20	GGFF	52	23	12921W	7838N	2937-21072	90	GGGG	86	3
12304W	7929N	2937-21070	90	GGGG	87	2	12929W	7419N	2907-20015	60	GGGG	74	7
12305W	7928N	2919-21080	40	GGGG	86	2	13022W	7740N	2934-20504	40	GGGG	83	4
12313W	3304N	2917-17444	10	GGGF	47	37	13027W	7927N	2924-21362	90	GGGG	92	2
12314W	8010N	2924-21360	100	GGGG	92	1	13028W	7840N	2938-21130	80	GGGG	87	3
12333W	5132N	2922-18074	10	GGFF	52	24	13035W	7739N	2916-20514	50	GGGG	83	4
12336W	7838N	2933-20444	20	GGGG	82	3	13059W	7420N	2908-20073	60	GGGG	75	7
12347W	7836N	2915-20454	80	GGGG	82	3	13126W	5257N	2928-18412	70	GGGG	58	23
12407W	7931N	2938-21124	90	GGGG	88	2	13127W	5257N	2910-18421	50	GGGF	58	23
12435W	8009N	2925-21414	90	GGGG	93	1	13147W	7927N	2925-21420	90	GGGG	92	2
12437W	8010N	2907-21423	30	GGGG	93	1	13151W	7927N	2907-21430	30	GGGG	93	2
12458W	7838N	2934-20502	80	GGGG	83	3	13151W	7741N	2935-20562	80	FGGG	84	4
12507W	6238N	2928-18382	70	GGGG	58	16	13158W	7739N	2917-20572	10	GGGG	84	4
12513W	7836N	2916-20512	70	GGGG	83	3	13205W	7638N	2932-20395	20	GGGF	81	5
12553W	7927N	2921-21192	80	GGGG	88	2	13209W	5133N	2910-18424	80	FGGG	58	24
12606W	7530N	2907-20012	80	GGGG	74	6	13209W	5133N	2928-18414	80	GGGG	58	24
12611W	4142N	2939-18035	30	GGGG	51	31	13211W	7837N	2921-21194	90	GGGG	88	3

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
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COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0135

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH	FRAME ROW	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH	FRAME ROW
LONG LAT			12345678	NUMBER	NUMBER	LONG LAT			12345678	NUMBER	NUMBER
13225W 7307N	2907-20021	10	GGGG	74	8	13858W 7742N	2940-21245	100	GGGG	89	4
13235W 6644N	2936-19223	0	FGGG	66	13	13906W 7530N	2916-20523	10	GGGG	83	6
13236W 6524N	2935-19172	10	GGGG	65	14	13908W 7740N	2922-21255	100	GGGG	89	4
13253W 5257N	2929-18470	80	GGGG	79	23	13916W 7153N	2928-20184	90	GGGG	76	9
13317W 7741N	2936-21021	70	GGGG	77	4	13919W 7638N	2937-21081	80	GGGG	86	5
13317W 7739N	2918-21030	20	GGGG	85	4	13920W 7153N	2910-20194	10	FGGG	77	9
13334W 7840N	2940-21242	90	GGGG	89	3	13923W 7637N	2919-21091	10	GGGG	86	5
13337W 7638N	2933-20453	10	FGFF	82	5	13928W 7421N	2932-20404	10	GGGG	81	7
13343W 7635N	2915-20463	80	GGGG	82	5	13934W 7308N	2912-20304	20	GGGG	79	8
13345W 7837N	2922-21252	100	GGGG	89	3	14024W 7531N	2935-20571	10	GGGG	84	6
13355W 7307N	2908-20075	70	GGGG	75	8	14029W 7738N	2923-21313	100	GGGG	90	4
13418W 5258N	2930-18524	90	GGGG	60	23	14030W 7529N	2917-20581	0	GGGG	84	6
13420W 5254N	2912-18534	60	GGGG	60	23	14035W 7640N	2938-21135	80	GGGG	87	5
13444W 7740N	2937-21075	90	GGGG	86	4	14035W 7156N	2929-20242	70	GGGG	77	9
13446W 7740N	2919-21085	10	GGGG	86	4	14041W 7637N	2920-21145	90	GGGG	87	5
13459W 7637N	2934-20511	40	GGFG	83	5	14043W 7153N	2911-20252	80	GGGG	77	9
13500W 7152N	2907-20024	10	GGGG	73	9	14058W 7422N	2933-20462	30	GGGG	82	7
13508W 7836N	2923-21210	100	GGGG	90	3	14101W 7418N	2915-20472	90	GGGG	82	7
13511W 7636N	2916-20521	10	GGGG	83	5	14150W 7531N	2936-21030	90	FGGG	85	6
13556W 7743N	2938-21133	90	GGGG	87	4	14150W 7529N	2918-21035	0	GGGG	85	6
13603W 7531N	2932-20401	10	GGGG	81	6	14200W 7739N	2924-21371	100	GGGG	91	4
13604W 7739N	2920-21143	90	FGGG	87	4	14207W 7153N	2912-20310	10	GGGG	78	9
13627W 7638N	2935-20565	10	GGGG	84	5	14214W 7636N	2921-21203	90	FGGG	88	5
13629W 7153N	2908-20082	40	GGGG	75	9	14219W 7421N	2934-20520	10	GGGG	83	7
13629W 7153N	2926-20072	50	GGGG	75	9	14229W 7419N	2916-20530	0	GGGG	83	7
13633W 7637N	2917-20575	10	GGGG	84	5	14315W 7532N	2937-21084	100	GGGG	86	6
13640W 7836N	2924-21365	100	GGGG	91	3	14319W 7530N	2919-21094	70	GGGG	86	6
13646W 7308N	2910-20192	0	FGGG	77	8	14323W 7738N	2925-21425	100	GGGG	92	4
13715W 7036N	2907-20030	10	GGGG	73	10	14329W 7738N	2907-21435	10	GGGG	92	4
13734W 7531N	2933-20455	30	FFGG	82	6	14335W 7640N	2940-21251	90	GGGG	89	5
13737W 7739N	2921-21201	90	GGGG	88	4	14344W 7637N	2922-21261	100	GGGG	89	5
13738W 7529N	2915-20455	80	GGGG	82	6	14348W 7421N	2935-20574	10	GGGG	84	7
13754W 7638N	2936-21023	90	GGG	85	5	14354W 7419N	2917-20584	10	GGGG	84	7
13801W 7836N	2925-21423	100	GGGG	92	3	14355W 7309N	2933-20464	10	FGGG	82	8
13806W 7836N	2907-21432	10	GGGG	92	3	14356W 7306N	2915-20474	90	GGGG	82	8
13856W 7531N	2934-20513	40	GGGG	83	6	14432W 7534N	2938-21142	90	GGGG	87	6

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

07:04 SEP 15, 1977

LANDSAT#2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 10136

PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH	FRAME ROW	PRINCIPAL PT. OF IMAGE	OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH	FRAME ROW
LONG LAT			12345678	NUMBER	NUMBER	LONG LAT			12345678	NUMBER	NUMBER
14439W 7530N	2920-21152	90	GGGG	87	6	15104W 7420N	2922-21270	90	GGGG	89	7
14500W 7154N	2932-20413	40	FGGG	80	9	15200W 7529N	2907-21444	10	GGGG	92	6
14501W 7151N	2914-20423	80	GGGG	80	9	15225W 7420N	2923-21324	90	GGGG	90	7
14505W 7636N	2923-21315	100	GGGG	90	5	15229W 7308N	2921-21215	50	GGGG	88	8
14513W 7422N	2936-21032	80	GGG	85	7	15355W 7419N	2924-21383	10	GGGG	91	7
14516W 7310N	2934-20522	40	GG	83	8	15359W 7308N	2922-21273	20	GGGG	89	8
14526W 7307N	2916-20532	20	GGGG	83	8	15517W 7418N	2925-21441	80	GGGG	92	7
14609W 7530N	2921-21210	90	FGGG	88	6	15520W 7308N	2923-21331	70	GGGG	90	8
14629W 7154N	2933-20471	50	FGGG	82	9	15523W 7419N	2907-21450	70	GGGG	92	7
14629W 7152N	2915-20481	40	GGGG	81	9	15650W 7307N	2924-21385	60	GGGG	91	8
14637W 7636N	2924-21374	40	GGGG	91	5	15814W 7306N	2925-21443	90	GGGG	92	8
14638W 7422N	2937-21090	100	GGGG	86	7	15816W 7304N	2920-05382	80	GGGG	156	236 A
14641W 7420N	2919-21100	90	GGGG	86	7	15818W 7306N	2907-21453	60	GGGG	92	8
14645W 7309N	2935-20580	40	GGGG	84	8	16209W 7157N	2944-21494	80	GGGF	93	9
14649W 7307N	2917-20590	20	GGGG	84	8	16215W 7152N	2926-21504	90	GGFG	92	9
14732W 7533N	2940-21254	80	GGGG	89	6	16548W 7039N	2927-21564	100	GGGG	93	10
14741W 7530N	2922-21264	100	GGGG	89	6	16703W 1129S	2922-20091	60	GGGG	70	68
14750W 7156N	2934-20525	70	GGGG	82	9	16718W 7039N	2928-22022	50	GGGG	94	10
14756W 7425N	2938-21144	70	GGGG	87	7	16723W 1255S	2922-20094	60	GGGG	70	69
14759W 7635N	2925-21432	90	GGGG	92	5	16744W 1422S	2922-20100	50	GGGG	70	70
14759W 7152N	2916-20535	80	GGGG	83	9	16804W 1549S	2922-20103	50	GGGG	70	71
14803W 7420N	2920-21154	60	GGGG	87	7	16826W 1715S	2922-20105	60	GGGG	70	72
14804W 7636N	2907-21441	10	GGGG	92	5	16829W 1127S	2923-20145	50	GGGG	71	68
14809W 7307N	2918-21044	10	GGGG	84	8	16830W 1130S	2941-20135	50	GGGG	71	68
14810W 7309N	2936-21035	30	GGGG	85	8	16849W 1253S	2923-20152	60	GGGG	71	69
14901W 7529N	2923-21322	90	GGGG	90	6	16850W 1256S	2941-20142	50	GGGG	71	69
14920W 7155N	2935-20583	30	GGGG	84	9	16910W 1419S	2923-20154	50	GGGG	71	70
14923W 7153N	2917-20593	10	GGGG	84	9	16911W 1423S	2941-20144	40	GGGG	71	70
14932W 7421N	2921-21212	80	GGGG	88	7	16920W 6921N	2928-22025	80	GGGG	94	11
14936W 7309N	2937-21093	100	GGGG	86	8	16931W 1545S	2923-20161	40	GGGG	71	71
14937W 7308N	2919-21103	30	GGGG	86	8	16931W 1549S	2941-20151	50	GGGG	71	71
15033W 7529N	2924-21380	10	GGGG	91	6	16952W 1712S	2923-20163	70	GGGG	71	72
15043W 7152N	2918-21051	50	GGGG	84	9	16952W 1716S	2941-20153	60	GGGG	71	72
15045W 7155N	2936-21041	50	GGGG	85	9	16956W 1127S	2924-20203	90	FGGG	72	68
15054W 7312N	2938-21151	80	GGGG	87	8	16957W 1133S	2942-20193	50	GGGG	72	68
15100W 7307N	2920-21161	70	GGGG	86	8	17017W 1253S	2924-20210	70	GGGG	72	69

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G = GOOD. P = POOR. F = FAIR.

07:04 SEP 15, '77

LANDSAT#2
COORDINATE LISTING
FOR NON-US
FROM 08/01/77 TO 08/31/77

PAGE 0137

PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER	PRINCIPAL PT. OF IMAGE		OBSERVATION ID	CC %	QUALITY RBV MSS	ORBIT PATH NUMBER	FRAME ROW NUMBER
LONG	LAT			12345678			LONG	LAT			12345678		
17017W	1300S	2942-20200	30	GGGG	72	69	17224W	1547S	2925-20273	50	GGGG	73	71
17037W	1420S	2924-20212	70	FFFG	72	70	17224W	1550S	2943-20263	10	FGGP	73	71
17037W	1426S	2942-20202	40	GGGG	72	70	17244W	1716S	2943-20265	20	FGGF	73	72
17044W	6921N	2929-22083	80	GGFF	95	11	17245W	1713S	2925-20280	40	GGG	73	72
17050W	6919N	2911-22093	0	GGGG	95	11	17248W	1129S	2926-20320	30	FGGG	74	68
17058W	1546S	2924-20215	50	GGGG	72	71	17248W	1132S	2944-20310	60	GGGG	74	68
17058W	1552S	2942-20205	30	GGGG	72	71	17308W	1255S	2926-20322	10	GGFG	74	69
17107W	6803N	2928-22031	80	GGGG	94	12	17308W	1258S	2944-20312	40	FGGG	74	69
17118W	1712S	2924-20221	60	GGGG	72	72	17329W	1422S	2926-20325	70	GGGG	74	70
17119W	1719S	2942-20211	30	GGGG	72	72	17329W	1425S	2944-20315	40	GGGG	74	70
17122W	1130S	2943-20251	40	GGGF	73	68	17350W	1548S	2926-20331	80	GGGG	74	71
17142W	1256S	2943-20254	40	GGFF	73	69	17350W	1552S	2944-20321	50	GGGG	74	71
17203W	1420S	2925-20271	50	GGGG	73	70	17411W	1714S	2926-20334	40	GGGG	74	72
17203W	1423S	2943-20260	30	FGFF	73	70	17411W	1718S	2944-20324	40	GGGG	74	72

KEYS: CLOUD COVER % 0 TO 100 = % CLOUD COVER;
IMAGE QUALITY BLANKS=BAND NOT AVAILABLE, G = GOOD, P = POOR, F = FAIR.

IFIN

APPENDIX

EXPLANATION OF OBSERVATION ID

The day after the 999th day of operation of LANDSAT 1, the first digit of the observation ID becomes a 5, signifying that the 1000th day of operation has been reached. The next three digits, which correspond to the count of days since launch, return to 000. On each day thereafter the count, as before, increases by one. The ID format for LANDSAT 1 is illustrated below:

1000 - hhmms

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1998 - hhmms

1999 - hhmms April 18, 1975

5000 - hhmms April 19, 1975

5001 - hhmms (Days since launch equal 1001)

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The same general identification procedure will be used for LANDSAT 2 imagery. The day after the 999th day of operation of LANDSAT 2, the first digit of the observation ID becomes a 6, and the next three digits return to 000 as explained above. An illustration follows:

2000 - hhmms

-- 0115

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2999 - hhmms

6000 - hhmms

6001 - hhmms (Days since launch equal 1001)

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Key: hh = hours
 mm = minutes
 s = tens of seconds